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The provisions of this catalog do not constitute a contract, expressed or implied, between any applicant, student, faculty member, or staff employee and Texas State University-San Marcos or The Texas State University System. In the event of conflict between the provisions of this catalog and The Texas State University System Rules and Regulations, the latter shall govern. 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, 2012.

Texas State University-San Marcos is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, masters, and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Texas State University-San Marcos.
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University College and Director of the PACE Center

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Huntsville
ACCREDITATIONS

Texas State is accredited by the following:
- AACSB International—The Association to Advance Collegiate Schools of Business
- Accreditation Board for Engineering & Technology (ABET, Inc.)
- Accrediting Council on Education in Journalism and Mass Communications
- Accreditation Council for Education in Nutrition and Dietetics
- American Bar Association
- American Council for Construction Education
- American Speech-Language-Hearing Association
- Association of University Programs in Health Administration
- Commission on Accreditation of Health Information Management Education
- Commission on Accreditation of Physical Therapy Education
- Commission on Accreditation of Radiation Education Programs
- 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
- Management Education Community
- National Accrediting Agency for Clinical Laboratory Sciences
- National Association for the Education of Young Children
- 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
- Texas State Board for Educator Certification/Texas Education Agency

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, University, and in 2003 to Texas State University-San Marcos. Each name reflects the university’s growth from a small teacher preparation institution to a major multipurpose university.

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 Engineering, and University College and the Honors 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’ student population has grown—from 303 in 1903 to more than 34,000 in 2011—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 1999.

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 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 Campus. The RRC 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 1913. 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 Aransas, Sam Houston State University and Sul Ross State University. The first president of Texas State was Dr. 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. McCooklin, 1964–1969; Dr. Leland E. Derrick, 1969; Dr. Billy Mac Jones, 1969–1973; Mr. Jerome C. Cato, 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.

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 is inconsistent with the purposes of the university.

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.
Advise Responsibilities - What You Are Expected To Do

As an advisee, you have clear responsibilities in the advising part-
ning 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.
• Encourage compliance with all University and College policies,
procedures, and deadlines.
• Gather all relevant decision-making information (e.g., dead-
lines, prerequisites, policies).
• Organize official documents in a way that enables you to
access them when needed.
• Schedule timely, regular appointments with an advisor dur-
ing each semester.
• Come prepared, with your student ID, and be on-time to
each appointment.
• Bring questions and materials for discussion, such as a degree
audit, degree work sheet, and/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 educational 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
development.
• 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
self-direct and manage their own educational plans.
• Maintain confidentiality.
• Understand and effectively communicate the curriculum,
graduation requirements, and university and college poli-
cies and procedures.
• Provide students with information and strategies for using
the available resources and services on campus.
• Accurately document students’ progress toward meeting
degree plans.
• 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 fac-
ulty 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 setting, e.g., laboratory clinical, practi-
cum, 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 set forth 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 alphabeti-
cal 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 val-
ues: “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.
Graduation in the Honors College is described on p. 48.

Multicultural Course: Course identified in the catalog and schedule of classes that offers stu-
dents 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
toward a second bachelor’s degree.

Prerequisite: A directive from a School or Department that requires a certain
action be taken before enrolling in a certain course. A prerequisite may
be a course, permission from a faculty member, a specified classifi-
cation, or additional requirements as set forth by the School Direc-
tor 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 qual-
ity must improve during the probationary semester in order for the
student to continue at Texas State. A student will be placed on aca-
demic probation at the end of the fall or spring semester in which
the Texas State GPA is less than 2.0. A student will be removed
from academic probation at the end of any long semester or sum-
mer 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 pro-
vides a walk-in tutoring lab, Supplemental Instruction, campus
presentations, and online services.
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, transfer, 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 May 1
Spring November 15
Summer May 1

McCoy College of Business Administration
Fall May 1
Spring November 15
Summer May 1

Application Fee

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

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/.

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 withdrawal) and have a cumulative 2.0 grade point average in all transferable college work.

Texas State admires freshmen 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.

Top 10% No minimum required
ACT

1st Qtr. 920 20
2nd Qtr. 1010 25
3rd Qtr. 1180 26
4th Qtr. 1270 29

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 27 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.

COLLEGE OF EDUCATION TEACHER EDUCATION PROGRAM

To be eligible for a Texas teaching certificate, a student must apply for admittance to the teacher preparation program through the Office of Educator Preparation. Information regarding these requirements can be found in the College of Education section of this catalog.

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

REVIEWED ADMISSION

Freshman applicants who rank in the top three quarters (top 75%) 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-seventh semester transcript that includes class rank. A resume highlighting personal involvement and achievements while in high school and a personal...
Transfer students with less than 30 hours Students with less than 30 transferable 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 college work.

Transfer applications must complete and meet the following requirements:

1. Submit parts I of the ApplyTexas Application for Transfer/Transient (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 withdrawal) to all previous institutions regardless of GPA or grades 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 not calculated. Grades of W or F 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.

International Admissions

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 sections scores: 19 in Reading, 19 in Listening, 19 in Speaking and 18 in Writing,

- International English Language Testing System (IELTS) minimum score of 6.5,

- International Baccalaureate (IB) grade of 4, 5, or 6 in English A1 or A2 at the Higher Level or Standard Level or English B at the Higher Level,

- 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,

- Submissions of all colleges attended in English classes with composite grade of “A” or “B” and positive recommendation from program director.

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 already been admitted into an academic program and provided the financial documentation 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 Admissions or Graduate Admission offices. Simply transferring academically doesn’t complete your SEVIS transfer.

1. Notify your international/admissions transfer student at your previous/current institution fills out the Stans Form and submit 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 Stans Forms and submits it.

3. Upon your notification, a DSO at your current school will update your record in SEVIS as a “transfer out” and issue a release date. Once this release date is reached if 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. Complete a transfer request 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 International Student Orientation visit our website at www.international.txstate.edu.

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 your SEVIS transfer has been released, 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 does not 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 student. Whether the student全日制(continued)
1. Submit parts I and of the ApplyTexas Application for Transfer/ Readmission (Reentry/Readmit) 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 submit their final high school transcript.
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. 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 will need to complete the Returning Military Information Form, provide a copy of their DDR241 and contact the Office of Undergraduate Admissions to have their status reactivated.

Special Admission Options
All special admission categories will need to meet the State of Texas Uniform Admission Policy, TEC 51.803-51:809. (see State of Texas Uniform Admission Statement).

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 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 reapply and submit their final high school transcript.

Individual Approval
Applicants who have been out of high school for at least three years and have fewer than 28 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 the 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 may 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 Assured, Predicted Academic Success or Individual Approval admission requirements, may be granted admission to Texas State. Freshmen 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. The university president may authorize exceptions to this policy.

Non-Accredited High Schools
Graduates of non-accredited high schools must have a minimum ACT of 26 or SAT 1 (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 1 (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).

Veteran’s Guaranteed Admission Program
The Texas State University System’s Veteran’s Guaranteed Admission Program is designed to encourage all honorably discharged veterans to complete their undergraduate college education by guaranteeing admission to one of the System’s institutions of higher education.

Military veterans may gain admission to one of the Texas State University System (TSUS) institutions in several ways:
1. Veterans who apply by the institution’s application deadline and who have met the course unit requirements of the TSUS institution will be admitted after their application and official credentials are complete usually in 2-3 weeks.
2. Veterans who narrowly miss the admission requirements of the TSUS institution of their choice will be admitted via the TSUS institution’s alternative admissions programs (e.g., summer bridge programs, admission contract programs, or similar academic opportunities).
3. Veterans not interested in gaining admission through a summer bridge or similar program may opt to have their file referred to another TSUS institution.
4. TSUS institutions will provide transfer counseling to veterans who wish to begin their higher education pursuits at a community college. Working closely with university admissions counselors, veterans will be provided a specific pathway to admission. Students may begin at a community college to be able to transfer seamlessly at a later date. These students will be guaranteed admission as soon as they fulfill their transfer admission plan with the TSUS institution.
5. Veterans seeking technical degrees or specific workforce training will be admitted to Lamar State College-Orange, Lamar State College-Port Arthur or the Lamar Institute of Technology in South Texas. Students must meet and a basic high school level degree be sought, these veterans will be counseled by Lamar staff to take appropriate courses and will be guaranteed admission to any of the TSUS institutions as soon as the transfer requirement have been met.

General Educational Development Tests
Students with unique 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 three years prior. Application for consideration must be completed and the GED Tests must be passed with a minimum score of 220 to be considered for admission. Former students who have completed all college work and want to be considered for admission must submit a minimum of 26 on the SAT or ACT.

Transient/Visiting Student 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/visiting admission. Transient/Visiting admission is available only for the summer session. The applicant must complete an application for admission listing all colleges and universities attended. To be eligible for transient/visiting admission the student must be in good standing at their current institution. A current transcript indicating a minimum grade point average of 2.00 for current enrollment must be submitted to the Office of Undergraduate Admissions. Upon completion of the summer work, the student may request a transcript/visiting for use in the home institution. Credit and grade point values 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.

Academic Bankruptcy Policy
Students who have earned a bachelor’s degree and wish to complete a second bachelor’s degree should submit an application, an application fee and official transcripts from all colleges or universities attended including the transcript 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 have earned a bachelor’s degree and wish to pursue additional course work but not a second bachelor’s degree should apply through the Graduate College.

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 official transcripts from all colleges or universities attended including the transcript 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 have earned a bachelor’s degree and wish to pursue additional course work but not a second bachelor’s degree should apply through the Graduate College.

Transfer Credit Evaluation
Transfer credit for another institution to Texas State involves consideration of acceptability, 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 transfer work that...
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 EELS (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) or Vocational Education (VocEd) are not transferable and are not computed in the GPA for admission purposes. In cases where T&V/VocEd 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/VocEd 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/VocEd 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 CanWeb on the Texas State web site (www.txstate.edu). Students are encouraged to plan with 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 with Austin Community College, Blinn College, Central Texas College, Collin County Community College, Dallas County Community College District, El Paso Community College, Laredo Community College, Northeast Lakeview College, Northwest Vista College, Palo Alto College, San Antonio College, South Texas College, Southwest Texas Junior College, St. Philip's 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/transfig/tsg.html.

### Texas Common Course Numbering System
Under Texas Education Code 64.832, the Texas Common Course Numbering System (TCCNS) was developed to facilitate transfer of credit between public institutions. Common courses are included in the Community College General Academic Course Guide Manual, published by the Texas Higher Education Coordinating Board. Course numbers may be used to determine how freshman and sophomore level courses transfer between public institutions.

The common course number has a standard 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 be expected to complete in the course. Most often this digit will be a 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 general education core curriculum requirements are designated with an asterisk.

#### Course Numbering System

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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 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 institution.

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 compliance with TEC, §3.0492, eligible former members of the armed forces admitted as an undergraduate student will be awarded course credit for all physical education courses Texas State requires for an undergraduate and for additional semester credit hours, not to exceed 12, that may be applied to satisfy any elective course requirements for the student’s degree program for courses outside the student’s major or minor if the student: (1) graduated from a public or private high school accredited by a generally recognized organization or from a high school operated by the United States Department of Defense; and (2) is an honorable discharged former member of the armed forces of the United States who completed at least two years of service in the armed forces or was discharged because of disability. 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.

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.

Texas State grants credits for the lower and upper division baccalaureate category but does not award credit for vocational or graduate level work. 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. By exam credit 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) 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 the student is entered on a transcript. More detailed materials on this and other TREC programs are available at the TREC website, www.txstatet.edu/trec/.

NON-TRADITIONAL CREDIT

Items that fall under category but does not award credit for vocational or graduate level work. Transfer credit is subject to approval by the student’s major department/school.

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Texas State grants credits for the lower and upper division baccalaureate category but does not award credit for vocational or graduate level work. 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. By exam credit 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) 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 the student is entered on a transcript. More detailed materials on this and other TREC programs are available at the TREC website, www.txstatet.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.
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.

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

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

b. The following non-U.S. citizens may establish a domicile in this state for the purposes of subsection (a)(1) or (3) of this section:

1. a Permanent Resident;

2. a person who is eligible for permanent resident status;

3. an eligible nonimmigrant who holds one of the approved types of visas. A complete list is available at www.collegetexans.com.

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-860, Special Agricultural Worker (SAW), or 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 240B(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 Status program (8 USC 1101(a)(13)(J)) and has been issued a fee/filing receipt or Notice of Action by USCIS.

ALBERT B. ALKEK LIBRARY

Alkek Library
www.library.txsstate.edu
T: 512.245.2133 F: 512.245.0392

The Alkek Library contains more than 15,000 volumes of books, documents, and other printed material. The library provides access to 99,000 electronic journals, 227,000 ebooks, 400+ databases, and a half-million microform and audiovisual materials. Over 2,000 software programs are available for use in the public computing lab.

Special holdings of the Library include the Wittliff Collections, (comprised of the Southwestern Writers Collection and the Southwestern and Mexican Photography Collections), the University Archives, and the K-12 textbook collection. The Library is a selective depository for U.S. and Texas government documents. The Library is a member of the Texas Digital Library and hosts digital collections unique to Texas State including scholarships authorized by university faculty, students, and staff and selected materials from The Wittliff Collections and the University Archives (http://digital.library.txstate.edu/).

The online catalog (http://catalog.library.txstate.edu) provides information on the Library’s holdings. Wireless access to the university network is available within the Library. Laptop computers may be checked-out for building use. A computer lab provides IBM compatible and Macintosh workstations, 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, students and faculty may borrow materials held by most public and private university libraries in the state. Books and reserve materials may be transferred, by request, to the Texas State University Library in Round Rock.

CAREER SERVICES

LBJ Student Center 5-71
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 workplace. Job Shadowing is an externship experience that also provides these opportunities for students who spend time with professionals from various organizations, gaining firsthand knowledge about different career fields.

Job Search Strategies and Activities

Walk-in career counseling 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 2) and Spring Job and Internship Expo (February). Several other, more specific, job fairs include the Health Professions and Social Services Job Fair (October), two
DISABILITY SERVICES

LBJ Student Center 5-51
www.ods.txstate.edu

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 application admission approval. 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 seeking sign language or captioning (speech to text) services for admissions counseling, 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 State has established a grievance procedure for the prompt and equitable resolution of complaints related to alleged 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 AND SCHOLARSHIPS

JCK Building 240
www.finaid.txstate.edu

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, TEACH Grant, Texas Grant, Texas State Tuition Grant and Texas Public Educational Grant.

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 - 003669.

Deadlines

- March 31 is the priority date for filing a 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 31 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 year’s 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.

Financial Aid Disbursement

To receive federal financial aid, students must meet all eligibility requirements. If these requirements are met and the aid is ready for disbursement, it will be moved to the student’s account with Student Business Services no earlier than ten calendar days prior to the start of classes. Any aid available after that point will be moved to the student’s account within 24 hours of it being ready for disbursement.

Enrollment Status Requirements

Students must be enrolled at least half-time in order to receive most federal financial aid. Half-time enrollment for a baccalaureate, or second baccalaureate student is 6 semester hours during a long semester or a total of 6 semester hours during the summer session. Half-time enrollment for certification seeking students is 54 semester hours during a long semester or a total of 5 semester hours during the summer session. Financial aid recipients who withdraw from Texas State (officially or unofficially) 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

Bachelor’s 2.0
2nd Bachelor’s 2.5
Certificate 3.0

Hours Completion Rate Requirement

Students must complete 70% of attempted coursework, including credit hours transferred from another school and those periods during which the student did not receive financial aid.

Maximum Allowed Credit Hours Requirement

Bachelor’s 180
2nd Bachelor’s 145
Certificate 31

Appeal Process

In the event that a student has been placed on financial aid suspension because he or she does not meet the quantitative or qualitative standards for SAP, the student 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 the death of a student’s relative, injury or illness of the student, or other 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 his or her financial aid due to not meeting SAP (as outlined above) must do so through the below appeals process.

Under normal circumstances, an appeal to waive the conditions stated above must be made in the following order:

- to the Financial Aid counselor (appeal 1);
- to the Financial Aid supervisor, assistant director or associate director (appeal 2);
- to the Financial Aid director (appeal 3); and
- to the Financial Aid Advisory, Appeals and Scholarship Awards Committee (appeal 4 and final appeal level).

Students must file their appeal by the appropriate deadlines, which are as follows:

- Full semester - November 10
- Spring semester - April 10
- Summer semester - July 10

An appeal must include the following:

a. Student’s name. Texas State ID number and e-mail address.

b. A written description that addresses why the student failed to meet SAP

c. A written description of what has changed in the student’s situation to enable the student to demonstrate SAP at the next evaluation point

d. Documentation to support any claims

e. Communication from the student’s academic advisor confirming that the student can within a single semester regain SAP eligibility or an academic plan from the student’s academic advisor that demonstrates the student can meet SAP by a specified and reasonable point in time with measurable milestones for each semester

f. If appealing because the student has exceeded the maximum timeframe or because of a change in major, a degree plan must be submitted showing the number of hours remaining until graduation

g. Signature of student

NOTE: Appeals submitted without documentation will be denied.

Once a student is first notified (verbally or in writing) of his or her being ineligible for financial aid (financial aid suspension), the student has ten 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 working days after receiving an oral or written notice of the decision at the previous level.

Texas State E-Mail Account

All formal communication from Financial Aid and Scholarships will be sent to the email address designated as preferred on Texas State Self-Service at https://ssb.txstate.edu. Therefore, it is important that students check their preferred e-mail account daily for important financial aid information.
The only exception is when an institution can document that the "Withdrawal Request" from the Registrar’s Office. Financial aid To Withdraw

TEXAS Grant Award Renewal

Some lending institutions offer student loans without processing a FAFSA. These are not federal loans, and most of these programs require a withdrawal 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 upcom- ing academic year. Students who have an incomplete financial aid file as of October 1 will not be eligible to renew their TExAS Grant award.

Official Withdrawals and Financial Aid

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.

Unofficial Withdrawals and Financial Aid

If a student fails to earn a passing grade in at least one of his or her courses (i.e., all F’s, all W’s or I's) during a semester, the student is considered to have, for purposes of federal Title IV funds, unofficially withdrawn from the university. As a result, a withdrawal calculation must be performed to determine the amount of Title IV funds that the student must repay. The only exception is when an institution can document that the student was enrolled after the 60-percent point of the semester (e.g., professor’s verification of class attendance, taking an exam, etc.).

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 a Financial Aid and Scholarships representative 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.

HOUSING AND RESIDENTIAL LIFE

DHRL Office Building
545 N. Comanche Street
www.reslife.texas.edu
T: 512.245.2382 F: 512.245.7619

University Housing Policy

New students under the age of 20 (by September 1 for fall admission) or January 1 for spring admission) with fewer than 30 credit hours are required to live in on-campus university housing. All students who graduated from high school within the preceding 12 months of the semester of their admission are also required to live on campus.

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 always almost relate to their experience in a residence hall. A campus environment is an atmoph- sere 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 provid- ing 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 activi- ties, 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 22 residence halls and several university-managed apartment complexes, including Bobcat Village, Comanche Hills, and Campus Colony.

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 a variety of plans so you can pick the one that best fits your schedule, eating preferences, and pocketbook. Students who reside in university residence halls are required to select one of the three residential dining plans.

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 terms and conditions for specific cancellation details.

VETERAN’S AFFAIRS

J C Kallm I I
www.vet.texas.edu
Email: veteran-affairs@txstate.edu
T: 512.245.2641 F: 512.245.3271

Students attending Texas State while receiving educational assis- tance under one of the public laws for veterans and/or their depen- dants 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.texas.edu.

New and transfer students applying for educational benefits under the U.S. Department of Veterans Affairs for the first time must pro- vide 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 Chap- ter 1606 benefits must provide DD 2384 form: “Notice of Basic Eligibility”. In addition, they must provide a copy of their Mili- tary Transcript (AITR or Army, Smart for Marine Corps and Navy and CCAP for Air Force) and a Change of Place of Transfer 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 in 2011. To see if your eligibility status has changed. Applications and infor- mation sheets for the Hazlewood Exemption may be obtained at the Office of Veterans Affairs or at www.va.texas.edu.

Tuition

Tuition for Exceptional 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 resi- dent 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 semes- ter 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 sum- mer 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 of “W” is awarded for 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 or vocational workforce education programs

• Hours earned by the student at a private institution or an
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 their Pell eligibility documentation to the Student Business 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, the University reserves the right to nullify the above 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 class day 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. a severe illness or other debilitating condition that may affect the student’s academic performance;

b. 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

c. performance of active duty military service.

Special Fees and Charges

- Admissions Application Fee
- Admissions/Evaluation Fee for International Applicants
- Application Fee
- Athletic Training Fee (to sophomores who have earned competitive admission to the undergraduates athletics training education program)
- Auditing Fee
- Certification Fee (payable when applying for teacher certification)
- Disability Plan Fee (for students seeking teacher certification)
- First Plan
- Additional Plans (non-charged)
- Dependent Installation Fee (for installations not paid by due dates)
- Electronic Course Fee (per semester credit hour)
- Evaluation of Foreign Credentials (for domestic applicants)
- Payment Plan Enrollment Fee (for the handling & other processing)

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

Campus Parking/Vehicle Registration Fee

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

1. register the vehicle at Parking Services;
2. purchase a permit
3. properly display the permit anytime the vehicle is parked on campus; and
4. 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 (TEC §48.04) 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; development 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 included in 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 semester 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 to protect Texas State from damage or loss of University property. Charges for damages are billed directly to the student or collected by the department. Failure to pay the charges promptly will cause the student to be barred from re-admission and from receiving an official transcript. Upon written request to the Student Business Services Office, this deposit, less outstanding charges, will be returned to the student graduating or withdrawing from school. Deposit refunds not requested within four years from date of last attendance are forfeited into a student scholarship account. If a student withdraws without paying the charges, the deposit is held until all charges are paid and then returned. 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 Hall. 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 wishes 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 $25.00 per test. This fee applies only to students who wish to take a course exam through these offices rather than the take the exam offered as part of the distance education course.
Any student who officially withdraws from Texas State or who is
withholding the issuance of grades or of an official certified tran-
scription of academic record. It is the student’s responsibility
without a cash deposit or by providing a valid credit card number.

rooms. Following withdrawal procedures, the unused portion of
the room and board payment will be refunded. Non-Texas State
students, enrolled in a distance education course who wish to
participate in the add/drop process will be credited to 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 website: www.bsb.txstate.edu/students/faq.html) or mailed
to your permanent mailing address. Check your mailing address at
www.registrar.txstate.edu/our-services/address-change.html.

Refund of Room and Board Fees
Any student who officially withdraws from Texas State or who is
withholding the issuance of grades or of an official certified tran-
scription of academic record. It is the student’s responsibility
without a cash deposit or by providing a valid credit card number.

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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 website: www.bsb.txstate.edu/students/faq.html) or mailed
to your permanent mailing address. Check your mailing address at
www.registrar.txstate.edu/our-services/address-change.html.

Refund of Room and Board Fees
Any student who officially withdraws from Texas State or who is
withholding the issuance of grades or of an official certified tran-
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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 website: www.bsb.txstate.edu/students/faq.html) or mailed
to your permanent mailing address. Check your mailing address at
www.registrar.txstate.edu/our-services/address-change.html.
Correct Data. All students are responsible for making certain course numbers. Courses listed in this catalog and in the Registration Instructions. Registration Instructions contain CatiWeb registration instructions, dates, fee schedules, instructions on dropping a class or withdrawing, refund schedules, and other information throughout the semester. This information, along with the most current class offerings, is available at www.txstate.edu/registration.

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 Family Educational Rights and Privacy Act of 1974 (FERPA). 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 dependability in births. Undergraduate Student Classification. Classification is based on cumulative hours passed, not counting hours currently enrolled.

- 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 test with a writing composite score of at least 3 and/or a minimum scale score of 2200 on the Mathematics test;
- 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; Satisfying 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 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 may also need proof of 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 educational program that will prepare the student for freshman-level coursework in the area of deficiency. The Texas Success Initiative Program (TSIP) is an initial assessment program to determine readiness for freshman-level 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 they apply to these. The following statements apply to the student transferring to Texas State 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 1313 or 1314 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 1313 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 satisfied any one of the parts of the assessment test: History 1301, 1320, Political Science 2310, 2320, Psychology 1300; English 2310, 2320, 2340, 2350, 2359, and/or 2360. If a student has passed some part of the assessment test satisfactorily, he or she will be allowed to 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. Each of these requirements is classified as a degree-seeking student. More information about fields of study can be found online at: www.chuc.hc.txs.edu/ctc/ip/core-H_00/index.htm.

Academic Regulations Catalog Distribution. 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 study curricula are developed in accordance with the policies and procedures of the Texas Higher Education Coordinating Board, along with the support of academic administrators in Texas State and 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 1-8 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 and other courses in addition to the courses that actually compose the curriculum. The 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 must declare the field of study not later than the beginning of the second semester of study. Students should check with the Success Initiative Program Office for additional information.

- Earned a letter grade of “A,” “B,” or “C” in English 1313, 1314, 1320, 2310, 2320, 2340, 2359, and/or 2360, or
- Passed the TSI test: COMPASS (81R, 39M, 59W), or ASSET (41R, 38M, 40R), or
- COMPASS (81R, 39M, 59W), or ASSET (41R, 38M, 40R), or
- Was honorably discharged, retired, or released from active duty as a member of the armed forces of the United States, the Texas National Guard, or any reserve component of the armed forces of the United States, 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.

- 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
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: Students enrolled in 12 or more credit hours are considered full-time students. Students in good academic standing may register for up to 15 credit hours with approval from their academic dean.
2. Summer Terms: Students enrolled in 6 or more hours are considered full-time students. Students in good academic standing may register for up to 10 credit hours in each of the two summer terms.

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 of observance related to a religious holy day, or if there is a disagreement about whether the student has been given a reasonable time to complete any ungraded 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 make a decision concerning the legislative work load in accordance with 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 matters from the faculty member or 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 drop courses during their undergraduate career.

Under the new law (Texas Education Code, Sec. S1907), "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 toward 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 a student 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 regulation applies to courses dropped at public institutions in Texas. The new rule will be enforced for courses offered in a different format.

Grade-Point Average (GPA). Texas State utilizes the four-point system of grading. The converted grade point average (GPA) is calculated by the procedures described in the section titled "Repeating Courses" (see below).

Transcripts. Effective fall 1991, Texas State transcripts will separate transfer coursework from Texas State undergraduate work. Transcripts 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 the 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 "W" or "I" grade excluded. If the last grade in a repeated course is taken 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

elsewhere during the interim retain their initial Texas State catalog designation.

- 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.

- A student who is absent from classes for the observance of a religious holy day to take an examination or complete an assignment may not be penalized for 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 provides that 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 credit students who are scheduled to absences 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 a 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 make a decision concerning the legislative work load in accordance with 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 matters from the faculty member or the student. Any questions concerning this policy should be directed to the Office of the Dean of Students.

Drop Deadline – the deadline to drop (remaining in at least one hour) a course 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 D in the course. To initiate an appeal to drop a class or classes after the semester has ended the student must provide (a) a written letter of appeal and (b) documentation of extremely extenuating circumstances to the appropriate dean(s).

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 response as evidenced by the student’s level of understanding and ability to apply 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 withdraws 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 grade "I" may be returned if the student does not meet the minimum academic standards for 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.

Coordinating Board rules now provide for an appeal of the student’s grade, and procedures are established for the student to appeal the grade.
change must be approved by the department chair/school director and the appropriate college dean. Students who wish to protest academic probation must discuss the matter 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 college grade point average, or 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 next registration period or the student must withdraw for a period not 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. For example, if a student is placed on academic probation because the Texas State GPA has fallen to 1.85, then the end of the first probationary semester the Texas State GPA must be 1.86 or higher, or the student will be placed on academic suspension.

At the end of the second probationary semester, if the Texas State GPA is still 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 in all work attempted in both terms or on academic suspension for the fall term. The Texas State GPA is 2.00 or greater at the end of the second semester the student will be reinstated.

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 2.00 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 after an one registration period, the student must earn at least 2.00 GPA, which must be advanced and at least 12 hours of the advanced work must be completed in determining probation-suspension status. Students who enroll for 30 or more semester hours at another institution while on academic suspension at Texas State will be transferred to Texas State and the student 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 to ensure compliance with 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 seeking their advisor. The audit does not 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 verify that they are meeting the appropriate degree requirements including coursework and 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 coursework.

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 following completion of their final long or summer session I for August graduation. The student must complete the graduation application using the online application in Self Service Banner. If a student fails to complete the required courses in time for a planned graduation, the student must apply for the next graduation. Failure to apply for graduation on time may delay the awarding of the diploma until the following graduation. To allow for the receipt and processing of official transcripts in a timely manner, students taking off-campus courses in the fall or spring 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. 2.75 overall GPA
2. Demonstrated college level skills completed in reading, oral and written communication, critical thinking and mathematics:
   a. Reading: Grade of “C” or higher in one of the following: HIST 1305, PHIL 1320, POSI 2310, or POSI 3230 or its equivalent
   b. Oral Communication: Grade of “B” or higher in COMM 1310 or its equivalent
   c. Written Communication: Grades of “C” or higher in ENG 1310 and 1320 or its equivalent
   d. Critical Thinking: Grade of “C” or higher PHIL 1305, PHIL 1320, or its equivalent.
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 minor or second bachelor’s degree 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 in a major 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 minimums 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. Approval is submitted to the dean of the appropriate college dean. Students earning a second bachelor’s degree 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.

Elective hours beyond the minimums and/or the 36 advanced total 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 approval, may require additional 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 the college advising center. 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 catalog based on the year they completed mathematics requirements in the selected major for secondary and all-level certificates.

Transfer Credit from Two-Year Colleges. Texas State will apply to a degree up to 60 hours from an accredited junior/community college. At the approval of the individual college, 6-8 hours may be added. At the time of transfer, all transferrable 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 the number by which the student will satisfy degree requirements.

Deans’ List. To be eligible for the Deans’ List at the close of any fall or spring semester, an undergraduate must have 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 not included in the number of hours a student completes in the Deans’ List and in the GPA calculation for Deans’ List. Graduate courses count.

Graduation with Honors. Students earning a GPA of 3.40-3.59 will graduate cum laude; 3.60-3.79 will graduate magna cum laude; 3.80-4.0 will graduate summa cum laude. To be eligible for graduation with honors, a student must be a baccalaureate degree candidate at the time of the degree and 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.

Courses taken at Texas State correspondence courses and extension courses 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 a second baccalaureate degree are eligible for graduation with honors if they complete 60 or more hours at Texas State in pursuit of the second degree.

Honors Societies. The following honor societies are open to qualified Texas State students whose total academic membership 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 3.00 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 RonBrown@txstate.edu.

Alpha Lambda Delta. Alpha Lambda Delta is a national academic honors 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 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 3.20 and complete 25 hours of the first full semester (a cumulative average of the first year in college), and who have paid the initiation and lifetime membership fee. For more information, contact Diann McCabe dmm14@txstate.edu.

Golden Key National Honor Society. Golden Key recognizes and encourages scholastic achievement and excellence in all undergraduate fields, supports the faculty and students seeking a baccalaureate degree, and promotes and maintains 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 tanner@txstate.edu.

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. The mission of the catalog gives basic information about the undergraduate degrees, majors, minors, and alternative curricula available at Texas State. Certificate and degree programs are approved in accordance with guidelines provided by the Texas Higher Education Coordinating Board and The Texas State University System. 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.

Special Requirements for the Bachelor of Arts. The following requirements apply to all Bachelor of Arts programs. Minor Requirement. A minor in a field 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 (biological 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 (Spanish), Russian, and Spanish (2310 or 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, 2355, or 2360.

Degree and Programs. Bachelor of Arts (BA) Bachelor of Arts in International Studies (BAIS) Bachelor of Business Administration (BBA) 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 Administration (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) 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)

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 RonBrown@txstate.edu.

Alpha Lambda Delta is a national academic honors 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 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 3.20 and complete 25 hours of the first full semester (a cumulative average of the first year in college), and who have paid the initiation and lifetime membership fee. For more information, contact Diann McCabe dmm14@txstate.edu.

Golden Key recognizes and encourages scholastic achievement and excellence in all undergraduate fields, supports the faculty and students seeking a baccalaureate degree, and promotes and maintains 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 tanner@txstate.edu.

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. The mission of the catalog gives basic information about the undergraduate degrees, majors, minors, and alternative curricula available at Texas State. Certificate and degree programs are approved in accordance with guidelines provided by the Texas Higher Education Coordinating Board and The Texas State University System. 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.
Special Requirements for the Bachelor 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.

<table>
<thead>
<tr>
<th>Major</th>
<th>Degree</th>
<th>Minimum Hours</th>
<th>Minor</th>
<th>Teacher Cert.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criminal Justice- Law Enforcement</td>
<td>BSCHJ</td>
<td>120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>BFA</td>
<td>120</td>
<td>Required</td>
<td>Optional</td>
</tr>
<tr>
<td>Economics</td>
<td>BA</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>BBA</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>BS</td>
<td>137</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering Technology</td>
<td>BST</td>
<td>124</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>BA</td>
<td>120</td>
<td>Required</td>
<td>Optional</td>
</tr>
<tr>
<td>Exercise and Sports Sciences</td>
<td>BESS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Family and Child Development</td>
<td>BSFCS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Family and Consumer Sciences</td>
<td>BSFCS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Family Merchandising</td>
<td>BSFCS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>BBA</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>BA</td>
<td>120</td>
<td>Required</td>
<td>Optional</td>
</tr>
<tr>
<td>General Studies</td>
<td>BGS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>BA</td>
<td>120</td>
<td>Required</td>
<td></td>
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<tr>
<td>Geography</td>
<td>BS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Geography-Geographic Information Science</td>
<td>BS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Geography-Physical Geography</td>
<td>BS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Geography-Resource and Environmental Studies</td>
<td>BS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Geography-Urban and Regional Planning</td>
<td>BS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Geography-Water Studies</td>
<td>BS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>BA</td>
<td>120</td>
<td>Required</td>
<td>Optional</td>
</tr>
<tr>
<td>Health and Fitness Management</td>
<td>BESS</td>
<td>120</td>
<td>Required</td>
<td></td>
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<tr>
<td>Health and Wellness Promotion</td>
<td>BHNP</td>
<td>120</td>
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<td>Optional</td>
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<tr>
<td>Health Information Management</td>
<td>BSHM</td>
<td>123</td>
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<tr>
<td>Healthcare Administration</td>
<td>BHA</td>
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<tr>
<td>History</td>
<td>BA</td>
<td>120</td>
<td>Required</td>
<td>Optional</td>
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<tr>
<td>Industrial Engineering</td>
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<td>125</td>
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<tr>
<td>Industrial Technology</td>
<td>BST</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Industrial Technology- Manufacturing Technology</td>
<td>BST</td>
<td>120</td>
<td></td>
<td></td>
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<tr>
<td>Interdisciplinary Studies</td>
<td>BS</td>
<td>120</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Interior Design</td>
<td>BSFCS</td>
<td>120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Studies</td>
<td>BAIS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>International Studies- International Relations</td>
<td>BAIS</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Management</td>
<td>BBA</td>
<td>120</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Manufacturing Engineering</td>
<td>BS</td>
<td>120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>BBA</td>
<td>120</td>
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</table>

Undergraduate Minors Offered at Texas State

<table>
<thead>
<tr>
<th>Minor</th>
<th>Degree</th>
<th>Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Studies</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>Aging and the Life Course</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>Animal Science</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Applied Mathematics</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Art and Design</td>
<td>24</td>
<td></td>
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<tr>
<td>Biochemistry</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Business Administration</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>
Because of the many choices of curricula in the field of architecture, students preparing to study architecture, pharmacy, physical therapy, and respiratory care. Although the College does not offer occupational therapy, it does provide pre-professional advising.

Pre-professional Curricula

Students preparing to study architecture, pharmacy, physical therapy, medicine, dentistry, veterinary medicine, or law should enroll in the degree plan as suggested by the advisors listed below. Before each registration, students 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 includes areas associated with architectural design, architectural engineering, regional and city planning, and landscape architecture.

These courses accepted by most architecture schools are: ENG 1310, 1320, MATH 2311, 2312, 2313, 2314, 2315; BIO 1301, 1401, 1402, 2400; CHEM 1141/1341, 1142/1342; HIST 1310 and 1320 (6 hours); POSI 2310 and 2320 (6 hours); and PHIL 1305 or 1320 (3 hours).

Many schools also require a 3 hour statistics course; ENG 1310, 1320. For more information contact the Department of Biology pre-health advisor, www.bio.tsstate.edu/pre-healthadvising.

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, Southern University, Texas A&M University, Texas Southern University, and University of the Incarnate Word) all require approximately 124 semester hours of coursework which constitutes a pre-pharmacy program. Pre-pharmacy students are urged to consult a pre-pharmacy representative, as the specific course requirements 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 Pharmacy pre-health advisor, www.bio.tsstate.edu/pre-healthadvising.

Pre-law

Pre-law students are urged to consult a pre-law representative, as the specific course requirements vary by school. Consequently, it is imperative that pre-law students consult with an advisor prior to and during their pre-law program.

Law

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

Minor

Minor

Minimum Hours

Special Education 21
Sports Psychology 21
Studies in Popular Culture 18
Technology 18
Art 18
Value Studies 18
Women’s Studies 18
Writing 24

Undergraduate Certificate Program Requirements

Minor

Minimum Hours

Computer Information Systems Computer Information Systems & Quantitative Methods 18 SCH
Geographic Information Systems Geography 15 SCH
Health Information Management Health Information Management 15 SCH
International Studies International Studies 18 SCH
Business Administration Business Administration 18 SCH
Women’s Studies Women’s Studies 18 SCH

Only the 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 program in one of the 4-year Bachelor's programs. While many are acceptable, majors in Agriculture/Animal Science, Biology or Chemistry must nearly parallel the courses required in the pre-veterinary program. Required courses are as follows: AG 3303 or BIOL 2425; AG 3325 or 4325; BIO 1310/1320, 2400; CHEM 1411/1412, 1421/1422, 2414/2434, and 2434; and PHYS 1315 and 1115; 2401 or 2405, 2450; PHYS 1335 and 1135; 3250 and 1125; MATH 2321 and 2331 (or 2417 and 2437) Some Texas medical schools require 3 hours statistics course; ENG 1310, 1320. For more information contact the Department of Biology pre-health advisor, www.bio.tsstate.edu/prehealthadvising.

The Department of Chemistry pre-health advisor will help Texas State track multicultural courses to determine the percentage that meet the requirements for pre-medical students. It is strongly recommended that as many of the following courses be taken during the junior and senior years as possible, or at least prior to being accepted into a physical therapy program. Coursework will also help prepare students for professional degree programs in related fields, e.g., occupational therapy, chiropractic, and physician assistant. Because the prerequisites required for professional programs vary, students should seek specific prerequisites for each program of interest.

Students will declare Exercise and Sports Science as their undergraduate major and Pre-Physical Therapy as their concentration. Students will declare their major with the College of Education Undergraduate Advising Center. 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.

Students will declare Pre-law students are urged to consult a pre-law representative, as the specific course requirements vary by school. Consequently, it is imperative that pre-law students consult with an advisor prior to and during their pre-law program. For more information contact the Department of Pre-law.

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 minor and, in the case of transfer students, at Texas State. For more information contact the Department of Biology. The following courses are required:

1. ENG 1310 and 1320 (6 hours)
   - COMM 1310 (3 hours)
   - CHEM 1141 or 1341, 1142 or 1342 (5 hours)
   - 1 course from: ENG 2310, 2320, 2330, 2340, 2359 or 2360 (3 hours)
   - PHIL 1305 or 1320 (3 hours)
   - MATH 2311 (3 hours)
   - CHEM 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 2310, SOC 1310, or ECON 2314 (3 hours)
   - 2 hour courses in PFW (2 hours)
   - US 1100 (1 hour)

2. Major Courses (27 hours):
   - BIO 1300, 1310, 1331, 1411, and 2450 (12 hours)
   - 1 course from: BIO 2409 or 2410, or 2411 (4 hours)
   - 1 course from: BIO 3461 or 3465 or 4441 (4 hours)
   - BIO 4411 (4 hours)
   - BIO 4501 (3 hours)
   - Supportive (19 hours):
     - MATH 2331 (3 hours)
     - PHYS 1315, 1315, and 1325, 1125 (8 hours)
     - CHEM 2341, 2341, 2342 and 2342 (8 hours)

3. Law

All accredited law schools in the state-Baylor University, Southern Methodist University, South Texas College of Law, St. Mary's University, Texas Southern University, Texas Tech University, The University of Houston, Texas Wesleyan University, and The University of Texas at Austin require the following from applicants prior to admission: (1) a bachelor’s degree, (2) 2 years of “law” credit, and (3) a satisfactory score on the Law School Admission Test (LSAT).
that is used as a tool to help departments/schools and colleges communicate diversity infusion to faculty, staff, students, and the community through published 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 high in multicultural context (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 (US 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

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 other disciplines. Students can submit assignments at their convenience, and many may have two or three. All examinations must either be administered in the Office of Correspondence Studies or, for those students living 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 grade is calculated in students' Texas State GPA and included in the review for graduation with honors and for Dean's List.
8. Students may enroll in a correspondence course at any time during the year and take up to nine months to complete it. Some correspondence courses require three months to complete if a final examination is required for the course.
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 Distance and Extended Learning 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 USA, 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. Students enrolled 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

Thornton International House
334 W. Woods Street
www.studyabroad.txstate.edu
T: 512.245.1967 F: 512.245.1644

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 Study Abroad Office 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 one week 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 participate online with faculty who are frequently to become totally immersed in the culture of the host country for a more comprehensive learning experience.

Program locations vary each year. 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 providers.

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 Study Abroad Office 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 eligibility requirements.

CONTINUING EDUCATION

Academic Services Building North
www.continuing-ed.txstate.edu
T: 512.245.2507 F: 512.245.3737

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 faculty and staff in offering seminars, workshops, conferences, and short courses that help meet the educational 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
www.txstate.edu/cpm
T: 512.245.7966 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
Thornton International 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
Thornton International House
www.texstate.edu/ie
T: 512.245.7810 F: 512.245.3752

TSE 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 TSE 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 CAMPUS
www.rrc.txstate.edu
T: 512.716.6000 F: 512.716.4110

In 1998, as the lead institution, Texas State joined forces with other area universities and colleges to establish the Round Rock Higher Education Center. In 2005, Texas State opened the Round Rock Campus (RRC) on 101 acres and offers educational opportunities in Williamson County and North Austin.

Texas State is addressing the educational needs of North Austin and the Central Texas area at the RRC. Located at 1555 University Boulevard in northeast Round Rock, the RRC offers classes in a convenient meeting place, small class size as well as helpful, engaging faculty and staff to encourage college-level learning in a supportive environment. The RRC provides the upper level coursework in select Bachelor’s degrees, as well as several, post baccalaureate certificates and Master’s degree programs. At the undergraduate level, students transfer hours to the RRC from a community college, another university or the San Marcos Campus. Students may also complete some lower level courses in online classes or via Texas State Correspondence. Round Rock students pay the same tuition as those attending in San Marcos, but certain fees may be waived.

Texas State offers the junior and senior level courses for the following:

- 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 Arts, major in Psychology
- 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 Science in Criminal Justice, major in Criminal Justice-Law Enforcement
- Bachelor of Science in Nursing, major in Nursing

To be eligible to register for Texas State classes at the RRC, students must have completed their sophomore year or at least 45 hours from the prescribed degree plans above. Students who intend to complete the junior and senior level classes at RRC must submit the same admission documents and meet the same admission requirements as any potential Texas State University student. However, procedures for acceptance are different for the RRC. Therefore, it is very important to follow the Getting Started procedures listed on the RRC website at www.rrc.txstate.edu.

We are eager to assist you in reaching your educational goals as a Round Rock Bobcat.

ACADEMIC SERVICES

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 institution. Students transferring 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.it.txstate.edu.

GENERAL EDUCATION CORE CURRICULUM COMPONENTS

Communication Component (9 hours)
ENG 1330 and 1330-College Writing, Parts I & II
COMM 1300-Fundamentals of Human Communication

Mathematics Component (3-4 hours)
Choose one from:
MATH 1314-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-Pre-Calculus Mathematics
MATH 2417-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 1314–Basic Mathematics before enroll- ing 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-Biological Anthropology
BIO 1320-Modern Biology I (for non-majors)
BIO 1422-Modern Biology II (for non-majors)
BIO 1340-Functional Biology Laboratory
BIO 1351-Organismal Biology Lab
BIO 1350-Functional Biology
BIO 1331-Organismal Biology

CHEM 1310-Introductory Chemistry for Non-Science Majors
CHEM 1430-Chemistry for Non-Science Majors
CHEM 1341/1341-General Chemistry I
CHEM 1342/1342-General Chemistry II
CHEM 1311/1311-General Chemistry

GEOL 1310-Ionosphere-Meteorology
GEOL 1311-Ionosphere-Geomagnetism

PHSX 1120, 1120-Elementary Physics
PHSX 1140-Introductory Laboratory in Astronomy
PHSX 1340-Astronomy Solar System
PHSX 1350-Astronomy: Stars and Galaxies
PHSX 1310-Pre-Physical Science I
PHSX 1320-Pre-Physical Science II
PHSX 1330-Pre-Physical Science III
PHSX 1340-Mechanics
PHSX 2425-Electricity & Magnetism (Engineering Sequence)
ART 2313, DAN 2313, MU 2313, or TH 2313—Introduction to
ANTH 1312—Cultural Anthropology

Texas State Component (3 hours)
Choose one from:

Fine Arts

Literature since 1865

PSY 1300—Introduction to Psychology

POSI 2320—Functions of American Government

POSI 2310—Principles of American Government

ECO 2314—Principles of Microeconomics

ENG 2359, 2360—American Literature before 1865, American
ENG 2310, 2320—British Literature before 1785, British Literature

Humanities & Visual and Performing Arts

HIST 1310—History of the U.S. to 1877

GEO 1310—World Geography

HIST 1310—History of the U.S., 1877 to date

ENG 2310, 2320—World Literature before 1600, World Literature

SOCI 1310—Introduction to Sociology

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 Communications' 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 PALS' 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.

TESTING, RESEARCH-SUPPORT AND EVALUATION CENTER (TREC)

Lower Commons Hall
T: 512.245.2276 F: 512.245.2903
www.txstate.edu/trec

The Testing, Research-Support and Evaluation Center (TREC) includes a testing center offering a variety of academic tests, including those 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). To satisfy TSI requirements, students may take COMPASS, Accuplacer, or THEA (offered in paper format as THEA Quick Test, or online as THEA-Internet Based Test, or IBT) in TREC's testing lab.

Initially, each student's math placement level is determined by her/his highest math score on the SAT and/or ACT. A student who does not achieve an SAT math score of at least 480 or an ACT math score of at least 21 will be required to complete at least one developmental math course prior to enrolling in the core curriculum math course pertinent to her/his degree plan; however, any student who is concerned that the placement indicated by the SAT or ACT score is inappropriate may take the math portion of the COMPASS test to attempt to receive a higher placement level than indicated by the SAT or ACT score.

Furthermore, TREC's Testing Center offers Exams-for-Credit (EFC). This program recognizes that many students may have attained college-level proficiency in academic subjects independent of the college environment.

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 presented to 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.

Exams-for-Credit (EFC) satisfy 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, except that Texas State University—San Marcos recognizes superior scores for CLEP exams in French, German, and Spanish language by awarding not only credit, but also letter grades of A or B according to the Credit & Grade Awarding Table. Letter grades for the French, German, and Spanish language CLEP exams are optional. Students may choose to accept a “CR” (credit only) instead of a letter grade.

Academic Testing for Students with Disabilities

The Academic Testing for Students with Disabilities (ATSD) office provides academic testing services for students who are currently registered for testing accommodations through the Office of Disability Services (ODS). Some examples of testing accommodations used by students are: extended time, standard format or distraction environment, use of a computer or laptop, or use of a reader or scribe. Note that all testing accommodations have to be approved by ODS before a student can sign up to take a test.

ATHLETIC ACADEMIC CENTER

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 monitor academic eligibility and ensures that all athletes are maintaining satisfactory progress toward their degrees.

ATHLETIC CERTIFICATION

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

The Texas State University—San Marcos recognizes superior scores for CLEP exams in French, German, and Spanish language by awarding not only credit, but also letter grades of A or B according to the Credit & Grade Awarding Table. Letter grades for the French, German, and Spanish language CLEP exams are optional. Students may choose to accept a “CR” (credit only) instead of a letter grade.

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Students from all majors find a community in the Honors College. The Honors College offers elective and challenging interdisciplinary courses designed by professors in fields such as physics, mathematics, the humanities, poetry, business, or the arts. Students in these small seminar- or lecture-size classes do research and raise questions stimulated by readings, field trips, presentations. Honors classes aim to promote interdisciplinary inquiry, creativity, and a lifetime love of learning. Through the Honors Independent Study, the Honors Contract course and the Honors Thesis, students can also design their own course of study.

The Honors College encourages students to apply for nationally and internationally competitive awards such as the Truman graduate scholarships, and Honors faculty assist students applying to graduate schools. The College offers study abroad experiences and encourages students to participate. Additionally, the Honors College participates in the Texas State “Common Experience” program through programming, art exhibits, and courses which connect to the theme. The Honors College is housed in the historic Lampasas building, adjacent to Old Main. The space includes seminar rooms, a student computer lab, a conference room, offices for staff and student academic organizations, and the Honors Coffee Forum - a large area for coffee, conversation, study, and events completely surrounded by the Gallery of the Common Experience art exhibits.

**APPLICATION**

The Honors College accepts students on a rolling admissions basis. To apply, go to www.txstate.edu/honors/applynow.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 (Math + Verbal), are eligible to apply for admission to the college. Transfer or currently enrolled students with a GPA of at least 2.5 are also eligible to apply.

**GRADUATION**

Students wishing to graduate in the Honors College now have two avenues available for doing so: (1) the traditional Honors College route, where students complete at least five Honors courses (35 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 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 Honors College curriculum and community without completing Honors graduation requirements.

**Program Benefits**

Honors College students receive access to early registration each semester. Students may receive travel assistance from the college to present research at regional and national conferences and are eligible for scholarships and research support awarded through the Honors College.

The Honors Thesis (a requirement to graduate in the college) 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 Honors College requirements with name and thesis title included in the Commencement program, a special transcript annotation, and an Honors College certificate as a supplement to the diploma. The Honors College also provides a special medallion to its graduates, especially suited for wearing at Commencement.

**Program Faculty**

The Honors College 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 courses in the Honors College are created continually, a process that ensures innovative, thoughtful offerings not duplicated elsewhere. Faculty members and students who participate in Honors classes represent many different academic departments and colleges from across the campus. Honors courses feature an explicitly interdisciplinary component, and all courses are, by definition, writing intensive. The courses are also discussion intensive, and students are expected to communicate 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 courses that are offered within the general rubrics listed, please see course listings at the Honors College 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, Nature and the Quest for Meaning, Humanity and the Natural Environment: A Study of Interrelationships, Disturbing the Peace: Politics of Language & Power in Hip-Hop Culture, C.S. Lewis: Chronicler of a Master Community, Astroonomy 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 for an ideal society and the ideologies that such a society 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 Modesty (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)

4390A Senior Seminar: Thesis Development. (3-0) A course that provides the opportunity to focus on research and learning research skills. Many of the courses are designed to replace general education core requirements or advanced offerings. The 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)

4398B 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 project, or creative project (play, book of poetry, artwork, etc.) of significant size and scope. Prerequisites: Students must meet with the Dean of the Honors College for approval. (WI)

391 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 class may be upgraded to Honors status. A student at the junior level can become an Honors Contract course with the concurrent approval of the student, faculty instructor, and Honors College. Students completing an Honors Contract course complete at least 15% work in addition to the requirements set forth in the course and must earn a ‘B’ or better 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 including HON 4390A and HON 4390B. Of the advanced courses, a maximum of 2 may be Honors Contract courses. Honors Contract courses may not be counted for both the minor and the major. 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 by completing an alternative cross-cultural component. 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 Dean of the Honors College.

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**Heather C. Galloway, Ph.D.**

Dean

234 Lampasas Hall

T: 512.245.2166 E: 512.245.8959

Lampasas 407

www.txstate.edu/honors
The College of Applied Arts mission is to prepare undergraduates 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.

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.

Department Chairs/Program Directors

- Aerospace Studies— Lt. Col. Peter Deitschel, M.A.
- Agriculture—Adri Arriaga, Ph.D.
- Criminal Justice—Qunt Thurman, Ph.D.
- Family and Consumer Sciences—Maris E. Canabal, Ph.D.
- Military Science—Lt. Col. Michael G. Elliott, M.S.
- Occupational, Workforce, and Leadership Studies—Enrique Solis, Ph.D.
- Social Work—Donita Noble, Ph.D.

Scholarship opportunities 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 advisement.

Department of Aerospace Studies

The College of Behavioral Sciences and Arts offers the following undergraduate degree programs in the departments of Psychology, Exercise Science, Kinesiology, and Aviation Studies.

Bachelor of Science in Psychology

Bachelor of Arts in Exercise Science

Bachelor of Science in Aviation Studies

Bachelor of Science in Kinesiology

Military Course (GMC). Membership in the GMC does notally by the Air Force at various Air Force installations. Both GMC and POC members must attend a weekly two-hour summer Field Training encampment paid for and conducted annually by the Air Force at various Air Force installations.

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 AFROTC academic 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 up to full tuition, laboratory and incidental fees, and an allowance for books. In addition, scholarship students, based on their classification, may receive up to $50,000.00 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 1301 or 1302) and up to three hours to the core curriculum government requirement (POSI 2301 only).

Minor in Aerospace Studies

A minor in Aerospace Studies requires 19 hours, including AS 1000, AS 2110, AS 2120, AS 3111, AS 3112, AS 4111, AS 4112 and 3 hours of MATH. Cadets must enroll in A S 1000 every term until graduation.

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.


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. Navy, Army, Marine, 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 with 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.

3511 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.

3512 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-require: A S 1000.

3431 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-require: A S 1000.

3432 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-require: 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 work in any career that requires a general agricultural background.

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 4350 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 4008) agriculture courses until they have successfully completed MATH 1314 or 1319 and CHEM 1341, 1341.

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

Course
AG 1110
AG 1445
AG 2290
EN 1430
MATH 1315 or 1319
COMM 1310
ENGL 1310, 1320
US 1100
HIST 1310
PSB 2310
Total

Sophomore Year

Course
AG 2313 or 2379
AG 2373
AG 2334
AG 2383
ENG 3303
ENG 2310, 2320, 2330, 2340, 2398, or 2360
ENG 1310, 1320
PHIL 1305 or 1320
ANTH 1312, GEOL 1310, PSY 1300 or SOCI 1310
ART, DAM, MUS, or TH 2313
Hr
1
4
3
4
3
4
6
1
3
3
33

Total
32-32

Junior Year

Course
AG 3210
AG 3427
AG 3597 or 4597
AG 4325
HIST 1320
PSB 2320
AG Electives**
HIST Electives* or PSB Electives **
Total

Sophomore Year

Course
AG 3317 or 3318
AG 3319
AG 3326
AG 3327
AG 3353 or 4353
AG 4326
AG 4307 (Capstone Course)
AG 4306
AG 4307 (Capstone Course)
Hr
3
3
3
3
3
3
6
6
29
30

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 3329, AG 3330, AG 3331, AG 3345, AG 4328, AG 4330.

** Select 6 hours from the following: AG 3321, AG 3329, AG 2351, AG 2352, AG 3455, AG 4115 (3 hour maximum), AG 4300, AG 4302, AG 4304, AG 4305, AG 4381, AG 4383
### Bachelor of Science in Agriculture
#### Major in Agriculture (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.

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### 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.

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### 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.

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* Select 5 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 3328, AG 3331, AG 3335, AG 2457, AG 2459, AG 4185 (3 hour maximum), AG 4300, AG 4304, AG 4306, AG 4310, AG 4325, AG 4328, AG 4329, AG 4330, AG 4331, AG 4337, AG 4371A, AG 4371C, AG 4371T, AG 4371O, AG 4381, AG 4383

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Texas State University-San Marcos 2012-2014 Undergraduate Catalog
Minor in Agriculture  
A minor in Agriculture requires 19 hours, which includes AG 1445, AG 2333, 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 graduate level courses.*

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 3310, AG 3314, AG 3351, AG 3455, AG 4185 (3 hours maximum), AG 4302, AG 4304, AG 4305, AG 4310, AG 4361, AG 4371, AG 4381, AG 4383.

Minor in Horticulture  
A minor in Horticulture requires 18 hours, which includes AG 2379, AG 3304, AG 3305, and 9 hours selected from AG 3301, AG 3314, AG 3321, AG 3353, AG 3451, AG 4185 (3 hour maximum), AG 4302, AG 4304, AG 4305, AG 4310, AG 4361, AG 4371, AG 4381.

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 3310, AG 3314, AG 3351, AG 3455, AG 4185 (3 hours maximum), AG 4302, AG 4304, AG 4305, AG 4310, AG 4361, AG 4371, AG 4381, AG 4383.

Courses in Agriculture (AG)  
1110 Career in Ag Business and Industry, (3-0) 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.

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, (2.5) 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.

2567 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.

2374 (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 approach to the use of technology.

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 on-farm welding and cutting. Shaded 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 businesses, services and industries. Includes characteristics of computer hardware and software, acquiring 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 prairie 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) The 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 1340. (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, pest and other cultural needs of such plants. The laboratory will cover propagation techniques and basic principles.

3304 Propagation of Horticultural Plants, (2-2) Principles and practices of propagating ornamental plants, vegetables, and fruits by sexual and asexual means including germination of seed, layering, cuttings, division, budding, grafting, and other vegetative plant structures. Study of physical, physiological and environmental factors affecting propagation of ornamental plants.

3305 Woody Plant Material and 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, cultivation, uses, diagnoses and corrective measures of disorders. Basic principles of flower arranging course 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. Fertilizer 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 systems and cooling systems. Components include air intake, 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 1314 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. Prerequisites: AG 1445.

3317 Farm Accounting (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 the preparation of financial statements. Prerequisites: AG 1445; 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 conditions and proper grazing laws. Methods of handling range livestock on the range, range reseeding, brush control, and poison 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; energy and nutrient requirements; and requirements of animals. Prerequisites: CHEM 1341 or 1344; BIO 1430, 1431. (WT)

3329 Economic Entomology. (3-0) A study of the most common insects of fields, vegetables, and nursery stock; life history, methods of attack, damage, and means of preventing and controlling. Collection and mounts of insects will be made.

3330 Applied Wildlife Nutrition. (2-2) Detailed consideration of the factors involved in the selection and evaluation of feeds for livestock. Emphasis will be placed on management, feed sources, forage resources, and nutrient requirements. Prerequisites: CHEM 1341 or 1344; BIO 1431. Prerequisite: AG 2373, AG 2390.

3331 Reproduction in Farm Animals. (2-2) An examination of the anatomy and physiology of reproductive systems of livestock and poultry. Attention will be given to reproductive failure and diseases. The laboratory includes pregnancy testing, semen collection and evaluation, artificial insemination techniques, and evaluation of breeding records. Prerequisites: AG 1445 and 1301, or BIO 2450.

3345 Livestock Selection and Evaluation. (2-2) Consideration of the factors involved in the selection and evaluation of beef cattle, sheep, swine, rabbits, goats, and chickens. Emphasis will be placed on criteria for judging and the evaluation of live-stock products. Prerequisite: AG 1445; junior classification.

3352 Soil Science I. (3-2) The fundamental principles of soil science will be studied. Emphasis will be placed on the role of soil in conventional agricultural systems, natural resource systems, waste management systems, and reclaimed and artificial ecosystems. Prerequisite: AG 1426. (WT)

3355 Land Surveying. (2-4) Engineering principles used in practice of surveying. Emphasis will be placed on surveying including controlling, legal and geometric considerations, and the role of surveying in land management. Prerequisites: MA TH 1319 or 1319, 2373; AG 2390. (2-2)

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, farm, 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. (WT)

4122 Program Building. (2-0) This course will focus on program and curriculum development in agricultural education settings. PBL will be used as a planning tool. Instrumentation, determining program and curriculum goals and objectives, implementing the program, and curriculum evaluation. Co-requisites: AG 4543, AG 4681 (to be taken in final semester).

4300 Greenhouse and Nursery Management I. (2-2) Planning greenhouses for commercial and home use; plant-nursery layouts. Study of the physical and economic factors affecting the profitability of greenhouse and nursery plants; the greenhouse, its structures, and the field; management techniques used in the production and marketing of greenhouse and nursery plants. (WT)

4302 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, regression, and testing of statistical significance. Simple computer programs will be stressed for class exercises during the course. Prerequisites: AG 2383, AG 2390; MATH 1315 or MATH 1319.

4303 Agricultural Structures and Environment. (2-2) Principles and practices associated with structural components, selection, materials of construction, heat and moisture control, and energy transfers. Will develop a problem solving course. Prerequisites: MATH 1315, AG 2373 and 2390. Recommended: TECH 1413 and 2310.

4375 Agricultural Machines and Equipment. (2-2) The optimization 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 equipment. Prerequisites: CHEM 1341 and 1141, MATH 1315, AG 2390.

4326 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.

4306 Agricultural Systems Management. (2-2) A study of the development, implementation, and management of agricultural systems. Emphasis will be placed on the role of agricultural systems 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. This course is on interdisciplinary and academic approach to the role of criminal justice in the maintenance of social order in a democratic society.

Hines Building 108
T: 512.245.2174 F: 512.245.8063
www.cj.tstate.tx.ate

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 degrees in law enforcement, to serve the communities 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 degree programs are based on 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. (2 courses) may be transferred from a Texas public two-year college as agreed by Texas public institutions for the criminal justice field. However, these credits cannot be applied toward the core requirements unless prior approval is granted by the coordinator. 

Criminal Justice Core
CJ 1310, 2350, 2351, and 2352 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 1301 and 1320, CJ 3346, HIST 1301 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

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Bachelor of Science in Criminal Justice
Major in Criminal Justice (Internship Option)
Minimum required: 120 semester hours

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Bachelor of Science in Criminal Justice
Major in Criminal Justice (Internship Option)
Minimum required: 120 semester hours

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Total 33 Total 31 Total 27 Total 29

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.

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.

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.

Total 27 Total 29
Bachelor of Science in Criminal Justice
Major in Criminal Justice–Law Enforcement
(Non-Internship Option)
Minimum required: 120 semester hours

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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 (CRJ 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 (CRJ 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.
2355 (CRJ 2313) Correctional Systems and Practices. (3-0) Corrections in the criminal justice system: organization of correctional systems, correctional role, institutional operations, alternatives to institutionalized treatment, rehabilitation, and current and future issues. Prerequisite: CJ 1310.
2360 (CRJ 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 illustrative, 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. (WT)
3522 Race, Ethnicity and Criminal Justice. (3-0) This course examines the relationships between race/ethnicity and the criminal justice system. Theories of race/ethnicity and crime, the criminal justice system, and social systems including media, politics and economics are examined to form a comprehensive understanding of the social construction of race as it pertains to a racially disproportionate system.
3523 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.
3525 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. Prerequisites: CJ 1310 and 2355.
3529 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.
3546 Research in Criminal Justice. (3-0) Analysis of criminal justice research, survey methods, and the utilization of research in criminal justice. Prerequisites: CJ 1310, CS 1308 or equivalent and Statistics (CJ 3347, MATH 2328, PSY 3301, SOSC 3307 or equivalent). (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 international levels. Students will gain current knowledge necessary for a broad-based cross-cultural understanding of operational justice in the 21st Century. (MC)

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. Prerequisites: CJ 2310, 2350, 2360 and senior standing. (Capstone Course). (WI)

4314 Terrorism in the United States. (3-0) Terrorist groups operating in the US, are examined with special emphasis on the far-right (militia, Christian identity, neo-nazi, other racist groups). Analyzes their 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 corrections settings, administration, legal issues, and future trends associated with community and institutional based treatment. Prerequisites: CJ 2355 and 3325.

4321 Occupational Crime. (3-0) A study of the problems of organized and upper status criminal activities with emphasis on statutes and their application to fraud, embezzlement, deceptive trade practices and illegal trade practices.

4323 Special Operation Units in Law Enforcement and Corrections. (3-0) This course introduces students to the basic principles of Special Operations Units (SOUs) within criminal justice agencies. Topics include the necessity for such units, the changing nature of communities and policing in America, the principles of crisis management, the development/implementation of SOUs, selection/training/operationalizing of personnel, and types of SOUs.

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 subclasses victimization and career choices. Prerequisite: junior standing. (MC) (WI)

4327 Ethics of Criminal 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. (MC) (WI)

4329 Organized Crime. (3-0) Survey of organized crime in contemporary society. Includes attention to crime types and methods, motivation, affiliaions, and the effects of this type of criminality. Related legal and law enforcement perspectives will be covered, along with international and cyber-space issues. Prerequisite: CJ 3310.

4330 Cybercrime. (3-0) This course introduces students to the concepts, theories, techniques and legal issues associated with cybercrime, security, and computer forensics. 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.

4331 Serial Murder. (3-0) This course covers the phenomenon of serial murder and the psychology of the serial killer. Topics include: profiling.

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 the law enforcement agencies. An examination of the quantitative data gathered by the Criminal Justice System and its effective use and presentation. Prerequisites: CJ 2310 and 2350 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 victim. 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 3310, and 2350. (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 within the corrections branch of the criminal justice system. Prerequisite: CJ 1310 and 2255. (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. (Per mission of instructor is required for course registration.)
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. All 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.

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Total: 32

Bachelor of Science in Family and Consumer Sciences
Major in Family and Consumer Sciences
(Consumer Science Option and Minor in Business Administration)
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

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Total: 123
Bachelor of Science in Family and Consumer Sciences  
Major in Family and Consumer Sciences  
(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.

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Bachelor of Science in Family and Consumer Sciences  
Major in Family and Consumer Sciences  
(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.

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<tr>
<th>Course</th>
<th>Freshman Year</th>
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Bachelor of Science in Family and Consumer Sciences  
Major in Family and Consumer Sciences  
(Major in 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.

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<th>Course</th>
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Bachelor of Science in Family and Consumer Sciences
Major in Family and Child Development
(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.

Bachelor of Science in Family and Consumer Sciences
Major in 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 1320, 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 fail to meet the Texas State GPA of 2.25 will have 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.

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 internship.
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.

Bachelor of Science in Family and Consumer Sciences
Major in Interior Design
Minimum required: 120 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 fail 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 CAD, 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 EGNT 1310, 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, 2323, 2322, 3322, 3323, 3324, and ARTF 2308 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 reviews 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.
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 if not completed in high school, these courses will add to the hours required for this major.

Bachelor of Science in Family and Consumer Sciences

Major in Nutrition and Foods (Hospitality, Nutrition, and Food Science Teacher Certification)

Minimum required: 130 semester hours

Course

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Minors

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, IDS, ID, FM, or NUTR electives.

Minors in Early Childhood Intervention
A minor in Early Childhood Intervention requires 18 hours, which includes: FCD 2353, 3353, 3354, 3355, 3356, and 3357; FCS 1341, 3342, 3343, 3344, 3353, 3354, 3355, 3356, 3357, 3358, 3359, 3399, 3401, 4352, 4353, 4355, 4356, 4357 or FCS 4303.

Bachelor of Science 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, 3353, 3354, 3355, 3358, 3359, 3399, 3401, 4352, 4353, 4355, 4356, 4357 or FCS 4303.

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.
1351 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) Students will examine research, theory, and developmentally appropriate practices related to children's social development and child guidance. Participation in the Child Development Center is required. Prerequisites: FCD 2353.
2375 Infants and Toddlers (2-2) This course will study infants and toddlers in home and group settings. Students will complete case studies and implement Individualized Education Programs based on developmental learning strategies/activities. Directed participation in the Child Development Center is required.
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. Participation in the Child Development Center is required.
3345 Methods in Child Life (3-0) 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.
3346 Families in Southeast Asia. (3-0) This course will focus on how children and families negotiate their daily lives in Southeast Asia. Topics will include a broad overview of issues relevant to Southeast Asian children and families in addition to more detailed analysis of the unique experiences of specific ethnic groups.
3350 Families & Sexuality. (3-0) A study of sexuality development as it relates to current critical issues for families and society.
3351 Creative Experiences for Children. (3-1) This course focuses on developmentally appropriate methods, materials, and planning for children's programs through literature, music, art, play, social studies, math, and science. Participation in the Child Development Center is required. Prerequisites: FCD 2353.
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 practices, 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. Prerequisites: FCD 2353 and 3355.
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 is 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. (MP)
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 intercultural and external environments of diverse family forms — including prevalence, social conditions leading to and sustaining their existence, common stereotypes, and recent research. Prerequisite: FCD 3355.
3394 Adolescent Development. (3-0) Students will study 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 they explain the developmental process.
4301 Internship in Family and Child Development. (0-6) Internship program in Family and Child Development.
r resource identification and factors that impact on manage- ment and decision making. Contemporary issues in the field will be considered: changes in consumer roles, changing family structures, aging, the handicapped, low income families, and the one-person family, and alternative lifestyles.

3341 Family Finance. (3-0) Study of family financial management during different stages of the family life cycle and income levels. Topics include budgeting and record keep- ing to achieve economic goals; the role of credit and the need for financial counseling; economic risks and available postsecondary education opportunities. 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. Emphasis will be placed on both the protection of the consumer and the laws which define the consumer’s rights and responsibilities. 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)

3491 Independent Study in Family and Consumer Sciences. (0-0) 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 for credit with different emphasis. (Capstone Course) (WI)

4310 Counseling for Family Practitioners. (3-0) Focus on applying consumer counseling and consulting skills consistent with the special financial counselor roles. Content includes theo- retical models of financial counseling. Prerequisites: FCS 3341, 3342, and 4341.

4341 Occupational Education in FCS. (3-0) Its purpose is to help prepare students for the career and teach occupa- tional 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 Pre-K, and Family and Consumer Sciences courses are for students designed to gain extensive manage- ment skills and practical work experience.

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)

4348 Family and Consumer Sciences: Principles and Process. (0-0) Observation and participation in the total family and con- sumer science program. Requires a full day in the Teaching and Learning Lab five day week except for holidays in public school system). Prerequisites: FCS 3390 and comple- tion 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 retail, purchasing, production and distribution of fashion goods and services. (W)

1332 (HECO 1320) Textiles. (3-0) A consumer-oriented study of the relationship of fibers, fabrics, and textile product end uses. Prerequisite: FM 1330 and 1332.

1330 Fashion Promotional Strategies I. (3-0) The study of promo- tional strategies unique to the fashion industry. Emphasis is placed on techniques initiated by manufactur- ers of wholesale fashion products. Prerequisites: FM 2330.

2330 Fashion Merchandising Administration. (3-0) The study of human resource management in the fashion industry including the development of orientation, assessment, and com- pensation. Prerequisite: FM 1330.

3355 Pre-history to Renaissance Textiles, Dress and Adornment. (3-0) Survey of textiles, dress and adornment from pre- history through international and Middle Eastern cultures to the development of Western civilization ending with the Northern Renaissance.

3360 Baroque to Modern Western Dress and Adornment. (3-0) Comparative study of European dress and adornment from the Baroque period through modern times. Emphasis on the socio-economic, political, and technological factors contributing to the evolution of costume.

4011 Special Problems in Fashion Merchandising. (0-2) A study of selected areas of Fashion Merchandising. Repeatable for credit with different emphasis

4101 Specialty Marketers: 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.

4101 Internship in Fashion Merchandising. (0-6) Internship programs are designed to give students practical experience focused on production, distribution, or retailing of fashion goods, or auxiliary services. Prerequisite: Must meet college, department, faculty or program department requirements. (Capstone Course) Repeatable for credit with different emphasis.

4021 Special Events Planning. (3-0) An in-depth study of selected topics or emerging issues of particular rele- vance to Fashion Merchandising professionals. Course may be repeated for credit with different emphasis.

4022 Special Topics in Fashion Merchandising. (3-0) An in-depth study of selected topics or emerging issues related to the planning of special events. Emphasis will be on planning, organizing, implementing and evaluating special events.

402B Specialty Fashion Marketers. (3-0) An in-depth study of spe- cialty fashion marketers including historic background, signifi- cance of the market; terminology; product assortment, de- velopment, production and distribution; and trend analysis.

4202 Fashion Merchandising in Domestic Markets. (3-0) An on- site study of domestic fashion mark- eting practices. Course explains the design, production, and distribution of fashion products and services at various market levels. Repeatable for credit with different emphasis.

4341 Special Problems in Finance and Accounting (FM). (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.

4343 Fashion Product Development. (3-0) The course will focus on fashion product development for target markets. Emphasis of the course will be placed on line development,
Sources: primarily floor, wall and ceiling finishes, textiles, window treatments, and accessories. Specification writing and finish evaluation will be emphasized. Prerequisites: ARTF 1302; ID 2320 and 2329.

3239 Housing and the Environment. (3-0) Introduction to environmental factors related to human habitat. Investigations focusing on global, ecologic, social, and physical and spatial perspectives.

Prerequisites: AT 1320, 2320, 3334, or consent of instructor.

3240 Interior Design Basics. (3-0) The study of managerial decisions in the design environment. Special emphasis on augmentation of the design process and presentation methodologies using digital media.

Prerequisites: ID 1320 and 2322. Prerequisites or corequisites: TECH 2313.

3251 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

3260 Studio I: Residential Interior Design. (0-6) Beginning studio experience in the design of small to moderate residential interiors.

Prerequisites: ID 2321, 3322, 3323, and ARC 2305. Co-requisite: ID 3325 or 3326.

3261 Studio I: 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.

3262 Studio II: Residential Interior Design. (0-6) Emphasis on integration of technology with the purpose of formulating design solutions. A major project with more emphasis on the design process. Prerequisites: ID 3321, 3323, 3326; TECH 4313. (MC)

3263 Studio III: Research/Environmental Design. (0-6) A hands-on studio project which allows students to research various aspects of the built environment; specifically Interior Design. Students combine design and technical knowledge to approach historical design problems in creative, sensitive, and economical ways.

Prerequisites: ID 2321, 3321.

3272A Design and Technical Communication. (3-0) Overview of design principles and practices. Includes principles of sustainable resources, including CAD and three-dimensional modeling programs, for the solution of interior design problems. Emphasis on the integration of technology as part of the design process.

Prerequisites: ID 2335, TECH 2313 or consent of instructor.

3272B Lighting Research and Applications. (3-0) An in-depth study of materials, systems, codes and other factors relating to product specification, color and textile selection, sizing and archiving of studio projects, and investigating alternative presentation methods.

Prerequisite: ID 4332.

3273 Internship in Interior Design. (0-6) Internship experience in the design profession that meets college requirements, and program requirements. (Capstone Course)

Prerequisites: ID 3321, 3323, 3324, 3325, 3326. (WI)

3273A 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.

3275A Product Costing. (3-0) Introduction to the field of product costing, 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.

3275B Enterprise Development. (3-0) Principles and procedures related to students’ primary area of interest. Work may consist of research, review of existing literature and 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 in the interior design profession.

Includes: 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.

1322 History of Interiors. (3-0) Survey of historical styles of furnishings, architecture, and interiors from the Egyptian period to the Industrial Revolution.

1323 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.

1324 Design Develoment. (3-0) Foundation for design development and planning of interior space with emphasis on graphic visualization as a creative process and design composition.

Prerequisites: ID 1320 and 4321.

1325 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 evaluation will be emphasized. Prerequisites: ARTF 1302; ID 2320 and 2329.

2329 Housing and the Environment. (3-0) Introduction to environmental factors related to human habitat. Investigations focusing on global, ecologic, social, and physical and spatial perspectives.

Prerequisites: AT 1320, 2320, 3334, or consent of instructor.

2340 Interior Design Basics. (3-0) The study of managerial decisions in the design environment. Special emphasis on augmentation of the design process and presentation methodologies using digital media.

Prerequisites: ID 1320 and 2322. Prerequisites or corequisites: TECH 2313.

2351 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

2360 Studio I: Residential Interior Design. (0-6) Beginning studio experience in the design of small to moderate residential interiors.

Prerequisites: ID 2321, 3322, 3323; ARC 2305. Co-requisite: ID 3325 or 3326.

2361 Studio I: 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.

2362 Studio II: Residential Interior Design. (0-6) Emphasis on integration of technology with the purpose of formulating design solutions. A major project with more emphasis on the design process. Prerequisites: ID 3321, 3323, 3326; TECH 4313. (MC)

2363 Studio III: Research/Environmental Design. (0-6) A hands-on studio project which allows students to research various aspects of the built environment; specifically Interior Design. Students combine design and technical knowledge to approach historical design problems in creative, sensitive, and economical ways.

Prerequisites: ID 2321, 3321.

2372A Design and Technical Communication. (3-0) Overview of design principles and practices. Includes principles of sustainable resources, including CAD and three-dimensional modeling programs, for the solution of interior design problems. Emphasis on the integration of technology as part of the design process.

Prerequisites: ID 2335, TECH 2313 or consent of instructor.

2372B Lighting Research and Applications. (3-0) An in-depth study of materials, systems, codes and other factors relating to product specification, color and textile selection, sizing and archiving of studio projects, and investigating alternative presentation methods.

Prerequisite: ID 4332.

2373 Internship in Interior Design. (0-6) Internship experience in the design profession that meets college requirements, and program requirements. (Capstone Course)

Prerequisites: ID 3321, 3323, 3324, 3325, 3326. (WI)

2373A 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.

2375A Product Costing. (3-0) Introduction to the field of product costing, 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.

2375B Enterprise Development. (3-0) Principles and procedures related to students’ primary area of interest. Work may consist of research, review of existing literature and other appropriate independent work. May be repeated once for credit with approval of instructor. Prerequisites: FM 1330 and consent of instructor. (WI)

Courses in Nutrition and Foods (NUTR)

1162 Food Systems Laboratory. (0-2) This course provides applications of planning, preparation, cost analysis, and evaluation covered in NUTR 1162. Co-requisite: NUTR 1162.

1163 Food Systems. (3-0) Nutrition, food science, and management principles and concepts of planning, preparation, preserving, evaluating, and serving food to fulfill dietary requirements of individuals and diverse cultural groups. Includes federal legislation, environmental issues, and cultural 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 2162; NUTR 2160.

2163 (BIOL 1322) Nutrition Science. (3-0) The science of human nutrition with emphasis on nutrition, dietetics, nutrition with emphasis on nutrition, dietetics, and the role of nutrition in health and illness.

Prerequisites: 3 hours of chemistry or biology coursework; CHEM 1341, 1342. Co-requisite: CHEM 1341, 1342. Co-requisite: NUTR 3366.

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; CHEM 1340, 1341. Co-requisite: NUTR 2360.

2364 Advanced Food Science Laboratory. (0-2) This lab teaches different techniques and protocols used in physical, chemical, and microbiological analysis of foods and food materials. Isolated, molecular, and microbiological analysis of food components and assessment of food quality, stability, and safety. Different bioprocessing and microbiological methods will be performed. Prerequisites: NUTR 2362, 2362, CHEM 1341, 1342. Co-requisite: NUTR 3366.

3362 Nutrition and Health. (3-0) For non-science majors. Involves the study of the science of human nutrition with emphasis on nutrition, dietetics, nutrition with emphasis on nutrition, dietetics, and the role of nutrition in health and illness.

Prerequisites: 3 hours of chemistry or biology coursework; CHEM 1341, 1342. Co-requisite: NUTR 3366.
the study of the nutrients and their function in promoting health throughout the life span. Includes standards for counseling, nutrition education and counseling services, businesses, and/or research. Prerequisite: must meet or consent of instructor. Co-requisite: NUTR 4167.

3436 Advanced Food Science. (3-0) This course provides an examination of the chemistry, morphology, concentration, and compartmentalization of cellular components in food; the effect of storage and processing on molecular levels of food quality; the kinetic behavior, activity, and functionality of food enzymes and microbes, and their effect on food quality and safety. Prerequisites: NUTR 2362, 2364; CHEM 1341, 1342; Co-requisite: NUTR 3166.

4161 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 study 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 Foods. (0-6) Students engage in applied experience under the supervision of a professional mentor in nutrition and food-related professions, services, businesses, and/or research. Prerequisite: must meet college and program requirements. WI (Capstone Course).

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 different emphasis.

4320 Micronutrients. (3-0) A study of the biochemical and physiological foundations of nutrition. Information pertaining to cytology, biochemical structure of nutrients, energy transformations, nutrient-diet interactions, and the anatomy, physiology, and nutrient metabolism of major organ systems is covered. Prerequisites: NUTR 4365; 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: BIO 2430 and 2480.

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 2363, 4365.

4365 Nutrition and the Life Span. (3-0) This course provides for the in-depth study of the normal growth, development, and nutritional requirements associated with pre-pregnancy, pregnancy, infancy, childhood, adolescence, and the older adult. Prerequisites: NUTR 2363.

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. Co-requisite: 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. 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**

Froh Building 104  
T: 512.245.3224 F: 512.245.3264

[www.txstate.edu/armyrotc](http://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, 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, $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 military science with an “A” or “B” may be credited toward 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 3312 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 concurrently with all other MS courses. Repeatable for credit with different emphases.

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 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 used 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 employment environment.

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.

3411 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. (WT)

3412 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 reasoning. (WT)

3413 Independent Study in Military Science. (3-0) This course will be designed to meet the educational 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 as leadership, management, ethics, law and their application. Course will require week/bi-weekly progress review with instructor. (WT)

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 the work environment.
• The major for the BAAS is Applied Arts and Sciences and is designed to prepare students for purposes of calculating 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 requirements and the student obtains at least 30 hours of resident credit with Texas State.
• Students choosing the BAAS program through the Occupational and Workforce 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:

Oecial Emphasis Module (48 semester hours) This module may be satisfied by credits earned from experiential learning (work/life experience, non-college sponsored instruction, credit by examination), transfer work from other accredited institutions of higher learning, or a comprehensive cooperative education program, OEDC 4550 (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 GPA calculation purposes.

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

• Cooperative Occupational Readiness (OEDC 4360)
• Practicum in Cooperative Occupational Education (OEDC 4361) (Prerequisite: successful completion of OEDC 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 the same foreign language, which may include American sign language.

Career and Technology Education The Occupational Education Program offers teacher certification in the area of trade and industrial education. Students who desire other teaching fields must contact the College of Education. Students who choose the Career and Technology Education (CATE) certification sequence 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.oecd.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 module for the 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.

Technological Focus Students holding a two-year technical associate 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 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 credit, as do other students in the BAAS degree plans.

Courses in Career and Technology Education (CATE)

3301 Human Relations for Career and Technology Education (CATE) (3-0) Designed to emphasize the professional requirements of teaching and training in a variety of settings. Professional topics include

Department of Occupational, Workforce, and Leadership Studies

Pedernales Building Box 126, 2512519 F: 512.245.3047

http://www.oecd.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:

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• 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 the work environment.
• The major for the BAAS is Applied Arts and Sciences and is designed to prepare students for purposes of calculating 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 requirements and the student obtains at least 30 hours of resident courses with Texas State.
• Students choosing the BAAS program through the Occupational and Workforce 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:

Oecial Emphasis Module (48 semester hours) This module may be satisfied by credits earned from experiential learning (work/life experience, non-college sponsored instruction, credit by examination), transfer work from other accredited institutions of higher learning, or a comprehensive cooperative education program, OEDC 4550 (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.

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Students who pursue the BAAS degree may use CATE teacher certification courses to satisfy the professional development module for the 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.

Technological Focus Students holding a two-year technical associate 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 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 credit, as do other students in the BAAS degree plans.
organizations and management of facilities, effective inven-
tory 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 class-
room or office. Topics include computing hardware and 
software, word processing, spreadsheets, databases, desktop 
publishing, graphics, presentation software, the Internet, 
e-mail, and web-page creation. Opportunity is provided for 
review of SBTE examination in Trade and Industry.

3340 Occupational Skills for the 21st Century. (3-0) This course 
will explore past and present occupational trends, new and 
emerging occupations, and the 21st century occupational 
skills and training needs. It will integrate individualized 
transferable occupational skills and how these skills can be 
applied to new and emerging occupations or other career 
transitions.

3380 Management of Business Office Education Training Programs. 
(3-0) For instructors in educational and industry settings.
Identification of federal, state, and local policies, coordinat-
ing 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 requir-
ing modifications, non-gender biased instruction, apprecia-
tion of diversity, use of technology and assessment. (MC)

4302 Coordination Techniques. (3-0) The cooperative program in 
Marketing and Distributive Education, program establish-
ment; 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.

3310 Human Problems in the Workplace. (3-0) Overview of prob-
lems that supervisors, teachers, and co-workers encounter in 
business/industry, social service, military, or education. 
This range of problems interface 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 actions for these 
human problems.

4550 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)

4600 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 
summer, fall, and spring semesters. (WI)

4631 Practicum in Cooperative Occupational Education. (3-13) 
Course is supervised on-the-job experience in an occupation 
related to the BASW professional development. Requires 
extensive reports and documentation. Prerequisites include 
successful completion of OCCD 4360. (WI)

School of Social Work

Health Professions Building 150 
T: 512.245.2592 F: 512.245.8097 
www.socialwork.tstxstate.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 scholas-
tic 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 54 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/literature courses before 
applying to Phase II of the Social Work major. They must complete 
least 45 credit hours, including the following: BIO 1320, 1421; 
COMM 1310; ENG 1350 and 1320; HIST 1320, 1322; MATH 1315 
or 1319; PHIL 1305 or 1320; SOWK 1350 and 2375; and US 
1000, if required. Applicants must have a minimum 2.50 overall 
GPA and a minimum 2.75 GPA in SOWK and supportive courses 
for application to Phase II. Students interested in Social Work must 
consult the College of Applied Arts Academic Advising Center 
for advisement.

Phase II: (Social Work Major). Students submit a formal applica-
tion for admission to Phase II. An admission committee screens 
candidates, 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 mini-
imum grade of “C” in each social work course and each supportive 
social science course. To remain in Phase II, students must also 
affiliates 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 place-
ment 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 consecutive 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 infor-
mation on liability insurance from the School of Social Work office.
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, 4335, 4338, 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, 4310, 4315, and 4355.

3350 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.

3307 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. (MC)

2312 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.

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: Social Work major; and SOWK 3305. (WI)

4310 Diversity and Social Justice in Social Work. (3-0) This undergraduate 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. (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.

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
Denise T. Smart, Ph.D.
McCoy Hall 530
T: 512.245.2381 F: 512.245.8375
www.mccoy.txstate.edu

Associate Dean
Robert Davis, Ph.D.

Associate Dean
Mayur Mehta, Ph.D.

Assistant Dean
Eugene Payne, Ph.D.

Academic Advising Center
McCoy Hall 115
T: 512.245.1993 F: 512.245.1996
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Department Chairs
Accounting—Ann L. Watkins, Ph.D.
Computer Information Systems and Quantitative Methods—David Wierschem, Ph.D.
Finance and Economics—William Chittenden, Ph.D.
Management—Paula Rechnet, Ph.D.
Marketing—Raymond Fisk, Ph.D.

Certificates Offered
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, knowl-
edge, 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. 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.

The 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. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. 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.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

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 1320 will be considered for admission 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. A student whose admission is voided may regain admission to the College by going through the application process and competing with other applicants for openings. Business students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.

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) a combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major; and (4) free electives to 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. 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.

Enrollment in Upper-Division Business Courses
Upper-division McCoy College courses (3000- and 4000-level) are restricted to business majors or to students who require the courses for their declared program of study. To be eligible to enroll in these courses, all students must satisfy stated course prerequisites, maintain an overall GPA of 2.00 or greater, and have completed at least 60 semester hours. 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.

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 2335, BLAW 2361, QMST 2333, MGT 3303, MGT 3343, CIS 3380, FIN 3382, MGT 3353, and MGT 4335.

Transfer Credit
Business transfer students must meet residency requirements for all Texas State programs outlined in the academic policies section of this catalog. Additionally 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.

Undergraduate transfer students who received elective credit toward a specific course in the Texas State admissions office may appeal this designation to the McCoy College department in which the course is offered.

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 72 hours from an accredited community/junior college may be applied to a business degree.

Writing Intensive Hour Requirement

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

Grade-Point Average for Graduation

BBA students must achieve the following minimum grade-point averages:

1. A Texas State GPA of 2.00
2. A Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
3. A GPA of 2.0 in the minor(s).

BA students must achieve the following minimum grade-point averages:

1. A Texas State GPA of 2.00
2. A major(s)/GPA of 2.25 (includes major courses and restrict-
ed/advanced electives); and
3. A GPA of 2.0 in the minor(s).

Academic Advising Center

The McCoy College Academic Advising Center is an accessible, student-centered support service that provides official and accurate academic information, encourages students to develop educational goals, and enables students to identify strategies for success. 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, information on student professional development opportunities in the college, 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.

Certificate in Computer Information Systems

The Department of Computer Information Systems and Quantitative Methods offer 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, 4530, 4558, 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 2334 and 2335); and 12 hours chosen from BLAW 2361, CIS 3317, FIN 3325, MGT 3303, and MGT 3343. Students seeking a BBA degree are not eligible to declare a business minor.

Minor in International Business

Obtaining an international business minor will give you an understanding of the economic and financial differences across countries. It can also provide a broad background in international management and marketing.

The minor requires 18 semester hours, which includes a 12 hour core: ECO 3353; MGT 3375; MGT 4310; BA 4345 and 6 hours of advanced electives. The advanced electives may be selected from an approved list that is available in the McCoy Advising Center. Please contact an advisor for this list.

Double Majors Within Bachelor of Business Administration programs

Students must fulfill the specified requirements for both majors in full and restricted/advanced electives may not double count.

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 businesses, and the regulatory and ethical environment of global businesses.

4312 International Business Internship. (3-0) Internship of professional and academic experience through internships in an international business related activity with an external employer. Prerequisites: International Business Minors only, junior or senior classification, enrollment subject to availability and approval, credit is pass/fail or grade at 1B minor program election.

4315 International Trade Operations. (3-0) This course examines the basics of international trade operations, focusing on the procedures, documentation, and regulation pertaining to export and import operations from the perspectives of exporters, importers, and intermediaries. Prerequisites: MGT 3375, MKT 4310.

Department of Accounting

Mc Coy Hall 431
T: 512.245.2566 F: 512.245.7973
www.accounting.mccoy.txstate.edu

Degree Program Offered:
BBA, major in Accounting

Our mission is to offer quality, student-centered accounting programs for undergraduate and graduate students. Our primary goal is to prepare students for careers in public accounting, industry, government, nonprofit, and other organizations. We strive to:

• Provide quality instruction and curricula that offer strong conceptual foundations and technical skills in accounting.
• Help students shape their critical thinking, ethical decision-making, technology usage, and communication skills.
• Offer our graduates a broad body of knowledge in financial accounting, including eligibility for licensure by State Boards of Public Accountancy.
• Engage in intellectual contributions in the areas of discipline-based scholarship, contributions to practice and learning and pedagogical research.
• Provide service to our department, college, university, and other academic organizations.
• Support the professional and accounting student organizations.
• Build and maintain professional relationships among students, alumni, the accounting profession, and other stakeholders.

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 non-profit organizations.

Current law requires 150 semester credit hours, including 30 hours of upper-division accounting (including a research course), 24 hours of upper-division business courses (including business communicate electives), and 3 hours of an approved ethics course 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 33 hour Master of Accountancy (MAcy) program and a 56 hour Master of Science in Accounting and Information Technology (MSAIT) program which provide upper level accounting coursework for students with a BBA. By stacking together the BBA and one of these graduate programs, students will have 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.

To make the transition from undergraduate to graduate easier, Texas State undergraduate students who are within 6 hours of completing their undergraduate program may apply for admission to any graduate business program. This allows a student to fill in their last undergraduate semester with graduate courses as appropriate. Students must complete their undergraduate program at the end of that semester. For more information about graduate program requirements and the admission process, please consult the graduate catalog at http://www.gradcollege.txstate.edu. To talk with a graduate academic advisor, students should contact the Graduate School of Business, (512) 245-3595, or go to McCoy Hall 530.
### Bachelor of Business Administration

**Major in Accounting**

**Minimum required: 120 semester hours**

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<th>Freshman Year - 1st Semester</th>
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<th>Sophomore Year - 1st Semester</th>
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### Courses in Accounting (ACC)

2301 Accounting in Organizations and Society. (3-0) Introductory 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 function, 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. Prerequisites: ACC 2361 and 2362 with a grade of "C" or higher.

3314 Intermediate Accounting II. (3-0) A study of accounting problems related to liability measurement, determination of stockholders' equity, earnings per share, leases, and revenue recognition. Also, coverage of intangibles and investments. 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 3300.

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. Prerequisites: ACC 3314 and 3385 with a grade of "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.
Bachelor of Business Administration
Major in Computer Information Systems
Minimum required: 120 semester hours

General Requirements:
1. CIS advanced electives may be chosen from: CIS 3380, 3375, 3399, 3390, 4316, 4322, 4323, 4342, 4348, 4349, 4356, 4358, 4373A, 4373B, 4374C and 4360.
2. Restricted advanced business electives: ACC 3312, BLAW 3380, ECO 3335, FIN 3313, MGT 3360, QMST 3375, 3387, and 4310.

Freshman Year - 1st Semester
Course Hr Course Hr Course Hr
ENG 1310 3 ENG 1320 3 ACC 2361 3
PSIS 2310 3 MGT 1310 (WI at Texas State) 3
MATH 1329 3 ENG 2310, 2320, 2330, 2430, 2536, or 2539 3
Total 13 Total 15 Total 14

Freshman Year - 2nd Semester
Course Hr Course Hr Course Hr
CIS 3360 3 QMST 3324 3 CIS Advanced Electives 9
QMST 3324 3 CIS 3382 3 Free Elective 3
ENG 2310, 2320 3 ART, DAN, MU, or TH 2313 3
Total 15 Total 17 Total 17

Sophomore Year - 1st Semester
Course Hr Course Hr Course Hr
POSI 2310 3 MGT 2324 3 ECO 2315 3
POSI 2320 3 QMST 2320 3 ECO 2315 3
Total 15 Total 15 Total 17

Sophomore Year - 2nd Semester
Course Hr Course Hr Course Hr
CIS 3381 3 CIS 3382 3 CIS Advanced Electives 9
CIS 3382 3 ART, DAN, MU, or TH 2313 3
QMST 3375 (WI at Texas State) 3 Free Elective 3
Total 15 Total 15 Total 17

Junior Year - 1st Semester
Course Hr Course Hr Course Hr
CIS 3325 3 MGT 4335 (WI at Texas State) 3
CIS 3388 3 QMST 3330 3 MGMT 3325 3
Total 15 Total 15 Total 15

Junior Year - 2nd Semester
Course Hr Course Hr Course Hr
CIS Advanced Electives 6 MGT 3360 3 MATH 3329 3
CIS 4399 3 QMST 3323 3 QMST 3323 3
Total 15 Total 15 Total 17

Senior Year - 1st Semester
Course Hr Course Hr Course Hr
CIS 3389 3 QMST 3335 (WI at Texas State) 3
MGT 4375 3 (Capstone) 3
Total 15 Total 15 Total 17

Senior Year - 2nd Semester
Course Hr Course Hr Course Hr
CIS 4380 3 MGT 4380 3 MGMT 3325 3
Total 15 Total 15 Total 15

Courses in Computer Information Systems (CIS)

1323 (CSI 1323) Introduction to Computer Applications. (3-0) This course develops advanced information technology skills, focusing on productivity software. Primary emphasis is placed on spreadsheet, database, and presentation software. Advanced techniques commonly used in modern business and decision-making. Students will be expected to demonstrate mastery of these techniques in a hands-on environment.

2324 (BCIS 2324) 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.

3371 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)

3373 Visual Programming II. (3-0) 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 environment for Windows. Use of the use of forms, classes, and objects. Prerequisite: CIS 2324.

3366 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 3335 and ACC 2362.

3374 System Analysis & Design. (3-0) The analysis and general design phases of the system 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 Enterprise Computing Skills using 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 subroutines. Prerequisite: CIS 3323.

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 3323, MATH 1329, and QMST 3323. (MC)

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 completion of or concurrent enrollment in CIS 3380.

3389 Business Application Programming III. (3-0) This course will continue the study of business computing related software development using an object-oriented language. Topical coverage will include client/server object relationships, inheritance, polymorphism, encapsulation, inner classes, and design, and the use of event models. Prerequisites: 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.

3418 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 managing of applications in Business-to-Business paradigm. Prerequisites: CIS 3382 and CIS 3325 or 3383.

3422 Computer System Design 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, design, and development using system models. Prerequisites: CIS 3325 and 3382.

3432 Enterprise Resource Planning Systems. (3-0) The use of advanced information technology for integrating business functions and processes through discrete 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.

3448 Fundamentals of Data Communications. (3-0) A course oriented to the technical concepts of data communications and networking design and technology. Students will analyze and design data communication networks for various business situations.

4349 Advanced Database Management Systems. (3-0) This course introduces commercially available database systems, techniques for support applications for Business Intelligence. Multi-dimensional modeling alongside with database, reporting, and analysis capabilities of a modern database environment will be introduced. Students will design and develop stored procedures, 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, authorization, denial-of-service, incident, disaster response, disaster recovery, security function management, and cryptography. Prerequisite: CIS 3438.

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, through hands-on experience in the lab.

4600 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 applications in a services-oriented computing environment. Topics include service-oriented architecture, "Software as a Service" framework, n-tier development of business and data services, and application security. Prerequisites: CIS 3325 and 3382.

4730 Special Topics in Computer Information Systems. (3-0) The study of advanced concepts and techniques of computer information systems will vary to correspond 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.

473A Mobile Application Development for Windows. (3-0) An introduction to the concepts, methodologies, and toolset for designing business applications. Students will learn the MCV development framework and Objective-C programming environment for Windows to create interactive business applications. Prerequisites: CIS 3325.

473B Mobile Application Development for Apple-iOS. (3-0) This course introduces the concepts, methodologies, and toolset for designing business applications for mobile devices such as iPhone and iPad. Students will learn the MCV development framework and Objective-C programming environment for Apple-iOS to create interactive business applications. Prerequisites: CIS 3325.

473C Mobile Application Development for Android. (3-0) This course introduces the concepts, methodologies, and toolset for designing business applications for mobile devices. Students will learn the MCV development framework and Objective-C programming environment for Android to create interactive business applications. Prerequisites: CIS 3325.

4759 Independent Study in Computer Information Systems. (3-0) In-depth study of a single topic or related problem area. May be repeated once for credit with a different emphasis. Prerequisite: Consent of instructor and department chair.

CSIS 4990 Computer Internship. (0-15) A one-semester course involving an internship in business information systems environment. Emphasis is on the application of computer information systems theory to business problems in the area of computer information systems. Prerequisite: Specified by employer with consent of instructor and department chair; Junior or senior standing.
Department of Finance and Economics

Mc McCoy Hall 504
T: 512.245.2547 F: 512.245.3089
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 may be chosen from: FIN 4317 (WI), 4318, 4320, 4321, 4222, 4325, 4326, 4321, 4340, 4380A or 4380F.
2. ACC advanced electives may be chosen from: ACC 2314, 3306, 3305, or 4322.

Bachelor of Business Administration

Major in Economics
Minimum required: 120 semester hours

General Requirements:

1. FIN advanced electives may be chosen from: FIN 4317 (WI), 4318, 4320, 4321, 4222, 4325, 4326, 4321, 4340, 4380A or 4380F.
2. ACC advanced electives may be chosen from: ACC 2314, 3306, 3305, or 4322.

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.

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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)
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.
2362 Business Organizations and Government Regulations. (3-0) A study of corporations, partnerships, limited liability companies, securities law, law for small business, administrative law, consumer law, environmental law, antitrust law, and insurance. 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)
3364 Commercial Law. (3-0) A study of sales law, negotiable instruments, secured transactions, suretyship, bankruptcy, personal property and bailments, real property, and creditors' rights and remedies. Prerequisites: BLAW 2361, junior standing, and good academic standing.
3367 Employment Law. (3-0) Study of legal developments in the workplace, with emphasis on attempts to maintain a proper balance between employers' interest in earning a livelihood and employees' interest in operating their business efficiently and profitably. Prerequisites: Junior standing and good academic standing. (MC)
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)
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 (ECOS 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: MATHE 1319 or equivalent. (MC)
2315 (ECOS 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 economic aspects of professional and intercollegiate sports. Topics include the role of sport leagues, the demand for sports, the structure of the labor market in sports, and the four major sports, salaries of professional athletes, antitrust legislation, and intercollegiate athletics. Prerequisites: 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 economic 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. Prerequisites: ECO 2301 or both ECO 2314 and 2315. (MC)
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 Economics. (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. (WT)
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. (WT)
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. (WT)
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.

3335 Comparative Economic Systems. (3-0) An analysis of the theory and practice of capitalism, socialism, and communism. Prerequisite: ECO 2301 or both ECO 2314 and 2315. (WT)

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. (WT)

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 2331, MATH 1315, and/or 1339, or equivalent courses. (WT)

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. (3-0) 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 upper division courses 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 research problem pursued through economic research. May be repeated once for credit with different emphasis. Prerequisite: Consent of instructor and department chair. (WT)

Courses in Finance (FIN)

3301 Real Estate. (3-0) A study of basic real estate principles. Topics include: introductory real estate courses, property management, valuations, planning, development and sales, financing, and public and private interests.

3312 Business Finance. (3-0) An introduction to the finance functions and to problems confronting financial managers. Topics include financial analysis, time value of money, capital budgeting, and financial decisions. Prerequisite: ACC 2362; CIS 1323; ECO 2314 and 2315; MATH 1329 and 2471; and completion of, or concurrent enrollment in, QMST 2331.

3331 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 impacting 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. (MP)

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. Not for Business majors.

3526 Financial Planning and Insurance. (3-0) An introduction to the steps in the financial planning process. Topics include assessing financial objectives, financial planning, and personal financial management. Insurance planning is emphasized. Prerequisites: FIN 3312. For Business majors only.

3539 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 discussed and analyzed based on current practices and federal regulations. Prerequisites: FIN 3313, 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 3313, 3316, 3317. (WT)

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. Prerequisite: 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 reallocation. May be repeated one time for credit with different emphasis. Prerequisites: FIN 3318 and consent of the instructor.

4325 Advanced Financial Planning. (3-0) Advanced 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, FIN 3326.

4326 Financial Plan Development. (3-0) A study of capital budgeting techniques, analyses (including risk), and strategies and their implementation in capital assets investment. Prerequisite: FIN 4321.

4380F New Venture Finance. (3-0) An advanced study of methodological tools to value financial investments; including but not limited to capital expenditures, commercial real estate, public companies, private companies, and start-up companies. Additional topics will include cost of capital, capital structure, financing sources and funding issues. Prerequisite: FIN 3313 and 3316.

4390A 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 4321.

4390F New Venture Finance. (3-0) An advanced study of methodology to value financial investments; including but not limited to capital expenditures, commercial real estate, public companies, private companies, and start-up companies. Additional topics will include cost of capital, capital structure, financing sources and funding issues. Prerequisite: FIN 3313 and 3316.

4390B Internship in Finance. (3-0) 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. (WT)

4399 Internship in Finance. (3-0) 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.

4390A 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 4321.

4390F New Venture Finance. (3-0) An advanced study of methodology to value financial investments; including but not limited to capital expenditures, commercial real estate, public companies, private companies, and start-up companies. Additional topics will include cost of capital, capital structure, financing sources and funding issues. Prerequisite: FIN 3313 and 3316.

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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. (WT)

4351 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)

4340 Commercial Bank Management. (3-0) Examines a variety of aspects of managing a commercial bank. Provides students with a conceptual framework for determining the effects of various decisions and environmental factors on a commercial bank's operations. Issues addressed include bank regulations, asset and liability management, analyzing bank performance, and capital management. Prerequisites: FIN 3313, FIN 3316.

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 4321.

4380F New Venture Finance. (3-0) An advanced study of methodology to value financial investments; including but not limited to capital expenditures, commercial real estate, public companies, private companies, and start-up companies. Additional topics will include cost of capital, capital structure, financing sources and funding issues. Prerequisite: FIN 3313 and 3316.

4390B Internship in Finance. (3-0) 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. (WT)
Bachelor of Business Administration

Major in Management

Minimum required: 120 semester hours

**General Requirements:**
1. MGT advanced electives may be chosen from any 3000-4000 level MGT courses not required for the major. Including any ELADV course.
2. The advanced electives in business may be chosen from any 3000-4000 level business courses not required for the major.

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<th>Freshman Year - 1st Semester</th>
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**Junior Year - 1st Semester**

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Bachelor of Business Administration

Major in Management (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 courses not required for the major.

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Bachelor of Business Administration

Major in Management (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, or BLAW 3307.
2. The advanced electives in business may be chosen from any 3000-4000 level business courses not required for the major.

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**Junior Year - 1st Semester**

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**Junior Year - 2nd Semester**

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**Sophomore Year - 1st Semester**

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Bachelor of Business Administration
Major in Management (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 3362, MGT 4370, MGT 4378, MGT 4379, MGT 4380, MGT 4380E, MGT 4390H, MGT 4390J (Students should choose course in consultation with academic advisor).

Freshman Year - 1st Semester
Course
14-15 Total
English
3 ENG 1310
ENGLISH
3
History
3 HIST 1310 (WI at Texas State)
HIST
3
Math
3 MATH 1329
MATH
3
Natural Science Component
3 Natural Science Component
NAT SCI
3
Physical Fitness & Wellness (PFW)
3 Physical Fitness & Wellness (PFW)
PFW
3
Total
14-15 Total

Sophomore Year - 1st Semester
Course
3 ENG 1320
ENGLISH
3
3 HIST 1310 (WI at Texas State)
HIST
3
3 MATH 1329
MATH
3
3 ART, DAN, MU, or TH 2313
ART
3
Total
14-15 Total

Sophomore Year - 2nd Semester
Course
3 ACC 2361
ACC
3
3 ECO 2314
ECO
3
3 ECO 2315
ECO
3
Total
9 Total

Junior Year - 1st Semester
Course
3 CI 4332, 3325
COMM
3
3 MGT 3393 (WI at Texas State)
MGT
3
3 FIN 3325
FIN
3
3 MGT 3373
MGT
3
3 MGT 4309G, MGT 4310, or ECO 3317
MGT
3
Limited Advanced Business Elective
3 Restricted Advanced Business Elective
MGT
3
Total
15 Total

Junior Year - 2nd Semester
Course
3 CI 4343
CI
3
3 ECO 4370
ECO
3
3 MGT 4310, or ECO 3317 (Capstone)
MGT
3
Total
9 Total

Senior Year - 1st Semester
Course
3 MGT 4330 or QMST 2333
MGT
3
3 MGT 4330 or QMST 2334
MGT
3
Total
6 Total

Senior Year - 2nd Semester
Course
3 EDST 4681 (Student Teaching)*
EDST
3
3 QMST 2333 for EDST 4330 or TECH 3364.
QMST
3
Total
6 Total

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)
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.
3351 Business Communications. (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 of support activities, marketing, and feasibility plans. Prerequisites: Junior or senior classification.
3361 Small Business Operations and Financials. (3-0) A study of financial and funding concepts necessary to effectively operate a successful small business. Students will use software programs to maintain working capital and a complete set of books related to running businesses. Prerequisite or consent of professor, MGT 4330, or consent of professor. MGT 4350 is recommended. (WI)
3450 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)
3511 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 4550.
3470 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.
3471 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.
3475 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.
3477 Labor Relations and Collective Bargaining. (3-0) A study of union's and their impact on private and public employment.
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. Prerequisite: MGT 3303, junior standing.

Business Creativity and Innovation. (3-0) Focuses on the importance of creativity and innovation to business organizations. Topics include the generation of creative ideas, transformation of ideas into commercially viable products/services, legal protection of new products/services, and environmental factors contributing to innovation success. Course objectives are met primarily through classroom discussion and exercises. Prerequisite: MGT 3303.

Managing Projects. (3-0) Intensive coverage of management in a wide range of project applications from concept through operations. Planning, scheduling, controlling, economic analysis, quality control and customer satisfaction. Prerequisite: MGT 4350.

Integrative Field Project. (3-0) Students work directly with entrepreneurs to research projects and recommend solutions. May involve providing business development assistance to entrepreneurs. Students may work individually or in teams. Projects results are summarized in a comprehensive written report and a formal oral presentation. Prerequisites: MGT 3303; permission of the instructor and Chair. (WI)

Management Internship. (0-15) Integration of professional experience 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. Prerequisite: Senior classification, 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.

Independent Study in Management. (3-0) Directed research and extensive written assignment(s) on a selected topic related to student’s area of interest. Topics will include literature reviews, integration of literature, or other approaches to independent research. Course results are summarized in a comprehensive written report and a formal oral presentation. Prerequisites: MGT 3303.

Bachelor of Business Administration

Major in Marketing

Minimum required: 120 semester hours

General Requirements:

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Total 15
Bachelor of Business Administration  
Major in Marketing (Professional Sales Concentration)  
Minimum required: 120 semester hours

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Senior Year - 1st Semester

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Bachelor of Business Administration  
Major in Marketing  
(Services Marketing Concentration)  
Minimum required: 120 semester hours

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Senior Year - 1st Semester

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Senior Year - 2nd Semester

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Total: 15

Courses in Marketing (MKT)

3343 Principles of Marketing. (3-0) Study of the strategic marketing process, which creates value for consumers and organizes 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.

3359 Retailing. (3-0) A study of the principles of retail store management, including market 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, maintaining commitment, and building partnerships. Examines competing committed strategies, relationship 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 1-35 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 foundations 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 strategic business partnerships and mass media promotions, and (4) emerging topics in sports marketing, including relationshıp 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 technology and their potential benefits and challenges. Examines emerging topics, such as medical tourism, universal health care, and health care regulations. Prerequisite: MKT 3343.

3390 International Marketing. (3-0) A study of marketing and its role in health care, including buyer and seller behavior, relevant marketing principles and strategies, and emerging topics, such as medical tourism, universal health care, and health care regulations. Prerequisite: MKT 3343.

3425 Advanced Topics in Service Marketing. (3-0) This class is a comprehensive study of service marketing theories, concepts, and strategies; it includes an examination of cost controls, research methodologies, branding, customer service, store atmosphere, segmentation, customer relationship management, and research in selected professional sales topics. May be repeated once for credit with different emphasis. Prerequisites: MKT 3343. (MC)

3439 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 price, channels of distribution, promotion. Prerequisites: QMST 2333; MKT 3343, and six additional hours of marketing courses. (WI)

3495 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. Prerequisites: MKT 3343; QMST 2333.

3496 Directed Study in Professional Sales. (3-0) Directed research and extensive written assignment on a selected topic related to professional sales. May be repeated once for credit with different emphasis. Prerequisites: MKT 3343, 3358 and consent of instructor or chair. (WI)

3497 Directed Study in Marketing. (3-0) Directed study and research in selected professional sales topics. May be repeated once for credit with different emphasis. Prerequisites: MKT 3343, 3358 and consent of instructor or chair. (WI)
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.

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 including recreation administration, health and wellness promotion, athletic training, health and fitness management, educational leadership, school psychology, professional counseling, and adult and developmental education.

The College of Education also offers many master’s degree programs and three doctoral degree programs. More information about these degrees may be obtained from the Graduate College or from the College of Education web site.

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 this 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.

Teacher Certification
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 Twelve), and All-Level (Early Childhood through Grade Twelve) certificates. Students seeking the EC-6, 4-8, or Special Education certificate will major in Interdisciplinary Studies in the Department of Curriculum and Instruction, 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, students may acquire certificates to teach Physical Education or Health.
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. Students are advised to consult their teaching field advisor prior to selection of teaching fields.

Admittance to the Teacher Preparation Program
In addition to meeting the requirements for admission into the University, formal admittance into the teacher preparation program includes the following:

1. An overall GPA of 2.75 or higher
2. Completion of the following coursework with a grade of "C" or better to demonstrate competency in the following areas:
   - Reading: HIST 1310 or 1320 or POSI 2130 or 2320 or a course equivalent to these
   - Written Communication: ENG 1310 and ENG 1320 or their equivalents
   - Critical Thinking: PHIL 1305 or PHIL 1320 or its equivalent
   - Mathematics: MATH 1341 or 1343 or 2411 or 2411L or its equivalent
   - Interdisciplinary Studies majors or the mathematic.

3. Completion of COMM 1310 or its equivalent with a "B" or better to demonstrate competency in oral communication.

4. At least a baccalaureate degree and the post-baccalaureate coursework complete.

5. Verification of completion of student teaching experience.

6. Completion of at least a baccalaureate degree and the post-baccalaureate coursework complete.

7. An overall GPA of at least 2.75 with no grade below C in all courses in the professional sequence prior to student teaching.

8. A GPA of at least 2.50 with no grade below C in the teaching field(s) or specialization(s).

9. Approval from the chair of the department of the student’s major teaching field.

Graduation and Certification
Graduation and Certification. In addition to the other graduation requirements listed in the Graduate Catalog, the following graduation requirements must be met by students seeking teacher certification:

1. A overall GPA of at least 2.75 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 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 Certification through the State Board for Educator Certification website: www.sbce.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 post-baccalaureate coursework complete.
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. Students who do not meet the expectations for the dispositions for the teaching profession will be referred to 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 Teacher 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. More information regarding admittance into teacher education is available at: www.education.txstate.edu/oep.

Office of Education Preparation
The Office of Education 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.

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. 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: Admission to teacher education; All coursework complete; 2.75 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. 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: Admission to teacher education; All coursework complete; 2.75 overall GPA; Co-requisite: EDST 4385.
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 exiting proficiency in state-adopted and Texas State teacher proficiencies. Prerequisite: Admission to teacher education; All coursework complete; 2.75 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 Texas State proficiencies for teachers. One conference hour per week is required. Prerequisite: Admittance to teacher education; All coursework complete; 2.75 overall GPA.

4975 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. Prerequisite: Admittance to teacher education; All coursework complete; 2.75 overall GPA. Students will demonstrate exit-level proficiency in state-adopted and Texas State teacher proficiencies.

Department of Curriculum and Instruction

Education Building 3044
T: 512.245.2157 F: 512.245.7901
www.txstate.edu/ci

Degree Programs Offered
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 Mathematics)
BS, major in Interdisciplinary Studies
(Grades 4-8 Special Education)
BS, major in Interdisciplinary Studies
(Grades 4-8 Languages)

Minor Programs Offered
Secondary Education
Special Education

Students who wish to teach Early Childhood through Grade 6 (elementary), Grades 4-8 (middle school), or All-Level Special Education pursue the Bachelor of Science, major in Interdisciplinary Studies, with the following four categories of study: (1) general education, (2) specialty curricula for the focus area within the Early Childhood-Grade 6 (EC-6) level with English as a Second Language (ESL) Generalist, EC-6 Bilingual Generalist, the Grade 4-8 level, or All-Level Special Education, (3) 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.

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.

The Department of Curriculum and Instruction provides the following teacher preparation course sequences:

Elementary and Middle School Programs
(Grades EC-6 and 4-8)
EC-6 ESL Generalist
Education Core: CI 3310, 3315, ECE 4300, RDG 4320
ECE Block: ECE 4310, ECE 4352
ESL Block: CI 3322, CI 4360
Field Based Block: CI 4325, RDG 3315, 3320, 3321
EC-6 Bilingual Generalist
Education Core: CI 3310, 3315, ECE 4300, RDG 4320
Bilingual Block I: CI 3322, 4360
Bilingual Block II: CI 4340, CI 4362
Field Based Block: CI 4325, RDG 3315, 3320, 3321
Grades 4-8: Education Core: CI 3350, 3325*
Field Based Block I: RDG 3315, 3320
Field Based Block II: CI 3360, 4300
*Note: 4-8 English Language Arts/Reading/ Social Studies requires RDG 4320 as part of the Education Core.

Secondary Programs (High School/Grades 8-12)
Education Core: CI 3325, CI 4332
Field Based Block: CI 4343, CI 4370, RDG 3323

All-Level Programs (Grades EC-12)
Education Core: CI 3325, CI 4332
Field Based Block: CI 4343, CI 4370, RDG 3323*
*Note: All-Level Special Education will complete the ESL, Elementary and High School Field Based Blocks.

Admittance to the Teacher Preparation Program
In addition to meeting the requirements for admission into the University, formal admittance into the teacher preparation program includes the following:
1. An overall GPA of 2.75 or higher
2. Completion of the following coursework with a grade of "C" or better to demonstrate competency in the following skill areas:
   - Reading: HIST 1310 or 1320 or PSIS 2130 or 2320 or a course equivalent to these
   - Written Communication: ENG 1310 and ENG 1320 or their equivalents
3. Critical Thinking: PHIL 1305 or PHIL 1320 or its equivalent
4. Mathematics: MATH 1315 or 1319 or 2417 or 2471 for Interdisciplinary Studies majors or the mathematics course(s) required for the selected major for high school (Grades 8-12) and all-level (Grades EC-12) certificates.
5. Completion of COMM 1310 or its equivalent with a "B" or better to demonstrate competency in oral communication.
6. If the grade is lower than a "B" then an interview with OEP will need to be scheduled.
7. Attend a Saturday Seminar or Complete an Education-focused University Seminar 1100 Course.
8. Apply to the Teacher Preparation Program. The online application form is available at http://www.education.txstate.edu/oep/ during dates throughout the year that are posted on this website.

More information regarding admittance into teacher education is available through the Office of Educator Preparation (www.education.txstate.edu/oep).
### Bachelor of Science
#### Major in Interdisciplinary Studies
(Grades 4-8 Generalist Teacher Certification)
Minimum required: 121 semester hours

**General Requirements:**
1. Students must be admitted to the teacher preparation program in order to enroll in the teacher preparation course sequence completed in the junior and senior year.
For more information, visit the Office of Educator Preparation website at www.education.txstate.edu/oep.
2. A 2.75 overall GPA is required to be admitted to the teacher preparation program, enroll in the teacher preparation course sequence, enroll in student teaching, and to graduate.
3. A 2.5 major GPA is required to graduate.
4. All courses in the teacher preparation course sequence and the major must be completed with a grade of C or better.
5. Note some courses require a grade of C or better as a prerequisite to other courses in the degree program.
6. Note certain courses require a grade of C or better as part of the admittance requirements to the teacher preparation program.

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### Bachelor of Science
#### Major in Interdisciplinary Studies
(With Initial Certification: Early Childhood through Grade 6 Bilingual Generalist Teacher Certification)
Minimum required: 124 semester hours

**General Requirements:**
1. Students must be admitted to the teacher preparation program in order to enroll in the teacher preparation course sequence completed in the junior and senior year.
For more information, visit the Office of Educator Preparation website at www.education.txstate.edu/oep.
2. A 2.75 overall GPA is required to be admitted to the teacher preparation program, enroll in the teacher preparation course sequence, enroll in student teaching, and to graduate.
3. A 2.5 major GPA is required to graduate.
4. All courses in the teacher preparation course sequence and the major must be completed with a grade of C or better.
5. Note certain courses require a grade of C or better as a prerequisite to other courses in the degree program.
6. Note some courses require a grade of C or better as part of the admittance requirements to the teacher preparation program.

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**Junior Year - 1st semester**

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<td>Total</td>
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**Senior Year - 1st semester**

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<tr>
<td>CI 3310, 3315, 3332, 3333, 3334, 3361</td>
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<td>CI 4350, 4355, 4360, 4362</td>
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<td>CI 4375, 4380</td>
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<td>EDC 4800</td>
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<td>RDG 3315, 3320, 3321, 3321</td>
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**Senior Year - 2nd semester**

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<tr>
<td>3 hrs advanced level GEO, HIST, POSI, ECO, SOCI, or ANTH</td>
<td>3</td>
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Minimum required: 124 semester hours
Bachelor of Science
Major in Interdisciplinary Studies
(Grades 4-8 Mathematics Teacher Certification)
Minimum required: 120 semester hours

General Requirements:
1. Students must be admitted to the teacher preparation program in order to enroll in the teacher preparation course sequence completed in the junior and senior year.
2. A 2.75 overall GPA is required to be admitted to the teacher preparation program, enroll in the teacher preparation course sequence, enroll in student teaching, and to graduate.
3. A 2.5 major GPA is required to graduate.
4. All courses in the teacher preparation course sequence and the major must be completed with a grade of C or better.
5. Note certain courses require a grade of C or better as part of the admittance requirements to the teacher preparation program.
6. Note some courses require a grade of C or better as a prerequisite to other courses in the degree program.

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, ECO 2301, ECO 2314, 3 GEO 1310, PSI 1300, or SOC 1310 3 ENG 1310 3 ENG 1320 3 ENG 2310, 2340, 2350, or 2360 3
COM 1110 3 English Literature 2310, 2320, 3230, 3231 3 MATH 2312 3 MATH 2313 3
PHYS 1310 3 PHYS 1320 3 PHYS 1310 3
CHEM 1141 1 PHYS 1110, 1220 4 MATH 2417 4
US 1100 3 Total 18 Total 17 Total 15-16 Total 13

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 1312, ECO 2301, ECO 2314, 3 GEO 1310, PSI 1300, or SOC 1310 3 ENG 1310 3 ENG 1320 3 ENG 2310, 2340, 2350, or 2360 3
COM 1110 3 English Literature 2310, 2320, 3230, 3231 3 MATH 2312 3 MATH 2313 3
PHYS 1310 3 PHYS 1320 3 PHYS 1310 3
CHEM 1141 1 PHYS 1110, 1220 4 MATH 2417 4
US 1100 3 Total 18 Total 17 Total 15-16 Total 13

Total
Course
Hr
CHEM 1341/1141 4 CHEM 1342/1142 4 CHEM 3300, 4300 6 EDST 4880 6
CI 3310, 3325 6 MATH 3315 3 MATH 2328, 4302, 4303, 4311 12
CS 1428 4 RISE 3315, 4310 6 SPED 4344 3
MATH 2427 or 2331 3-4 Total 17-18 Total 18 Total 18 Total 8

Bachelor of Science
Major in Interdisciplinary Studies
(Grades 4-8 Mathematics/Science Teacher Certification)
Minimum required: 133 semester hours

General Requirements:
1. Students must be admitted to the teacher preparation program in order to enroll in the teacher preparation course sequence completed in the junior and senior year.
2. A 2.75 overall GPA is required to be admitted to the teacher preparation program, enroll in the teacher preparation course sequence, enroll in student teaching, and to graduate.
3. A 2.5 major GPA is required to graduate.
4. All courses in the teacher preparation course sequence and the major must be completed with a grade of C or better.
5. Note certain courses require a grade of C or better as part of the admittance requirements to the teacher preparation program.
6. Note some courses require a grade of C or better as a prerequisite to other courses in the degree program.

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 1330/1130 4 ANTH 1312, ECO 2301, ECO 2314, 4 ENG 1310 3 GEO 1310, PSI 1300, or SOC 1310 3 MATH 2311/1311 4 BIO 1321/1331 4
CHEM 2310 3 CHEM 2321/1321 4 ETH 1320 (WI) 3 CHEM 1341/1141 3 CHEM 2312 and 2331 4
PSY 2310 3 COMM 1110 3 PHYS 1310 3 PHYS 110, 1310 4 ENG 1320 4
PFW 3 PHYS 1110, 1220 4 PHYS 1320 3 US 1100 4 PHYS 2320 3
US 1100 1 PHI 1305 OR 1320 (WI) 3 Total 19 Total 19 Total 21-22 Total 17-18

Junior Year - 1st semester Junior Year - 2nd semester Senior Year - 1st semester Senior Year - 2nd semester
Course Hr Course Hr Course Hr Course Hr
BIO 2410 or 2411 4 CHEM 1342/1142 4 BIO 1342/1142 4
ENG 2310 or 2311 4 BIO 1310 3 GEO 1310, PSI 1300, or SOC 1310 3 CHEM 1341/1141 3
MATH 2311 4 CHEM 2321/1321 4 ENG 1310 or 2311 3
ENG 1320 4 English Literature 2310, 2320, 2330, 2331 3 PHYS 2310 3 PHYS 1310/1320 4
HIST 1320 (WI) 3 CHEM 2312 and 2331 or 2341, 2356, or 2360 2
PHYS 1310 or 1320 (WI) 3 CHEM 2341 8 HIST 1310 3
CHEM 2312 4 PHYS 1320 3 CHEM 2311 and 2321 or 2471 6-7
PHIL 1305 or 1320 (WI) 3 PHYS 2320 3
Total 19 Total 19 Total 21-22 Total 17-18

Course
Hr
CHEM 1341/1141 4 CHEM 1342/1142 4 CHEM 3300, 4300 6 EDST 4880 6
CI 3310, 3325 6 MATH 3315 3 MATH 2328, 4302, 4303, 4311 12
CS 1428 4 RISE 3315, 4310 6 SPED 4344 3
MATH 2427 or 2331 3-4 Total 17-18 Total 18 Total 18 Total 8

Total
Hr
ART, DAN, MU, OR TH 2313 4 BIO 4403 3 BIO 4305 3 EDST 4880 6
BIO 2410, 4402 6 MATH 2328 3 CHEM 3300, 4300 6
CI 3310, 3325 6 RISE 3315, 4310 6 MATH 3315, 4311 3
MATH 4302 3 SPED 4344 3
Total 20 Total 16 Total 15 Total 6
Bachelor of Science
Major in Interdisciplinary Studies
(Grades 4-8 Science Teacher Certification)
Minimum required: 128 semester hours

General Requirements:
1. Students must be admitted to the teacher preparation program in order to enroll in the teacher preparation course sequence completed in the junior and senior year.
2. A 2.75 overall GPA is required to be admitted to the teacher preparation program, enroll in the teacher preparation course sequence, enroll in student teaching, and to graduate.
3. A 2.5 major GPA is required to graduate.
4. All courses in the teacher preparation course sequence and the major must be completed with a grade of C or better.
5. Note certain courses require a grade of C or better as part of the admittance requirements to the teacher preparation program.
6. Note some courses require a grade of C or better as a prerequisite to other courses in the degree program.

Minimum required: 128 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
ANTH 1312, ECO 2301, ECO 2314, GEO 1310, PSY 1300, or SOCI 1310 | 3 | BIO 1330/1130 | 3 | BIS 2311/1131 | 4 | CHEM 1342/1142 | 4
ENG 1310 | 3 | CHEM 1341/1141 | 4 | HIST 1320 (WI) | 3 | MATH 1315 | 3
ENG 1320 | 3 | HIST 1310 (WI) | 3 | PWI 2320 | 3 | MATH 2321 | 3
MATH 1315 | 3 | MATH 1320 | 3 | PHYS 1110, 1320 | 4 | PHYS 2310 | 3
PHW | 1 | PHYS 1340 or 1350 | 3 | US 1100 | 1 | Total | 17
Total | 17 | Total | 17 | Total | 17 | Total | 20

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 2450, 4305, 4402 | 11 | BIO 2411, 4403 | 8 | BIO 3421, 4416 | 8 | EDST 4680 | 6
CI 3310, 3325 | 6 | MATH 3315 | 3 | CI 3300, 4300 | 6 | SPED 4344 | 3
RDS 3315, 4310 | 6 | Total | 17 | Total | 17 | Total | 17 | Total | 6

Bachelor of Science
Major in Interdisciplinary Studies
(Grades 4-8 English Language Arts/Reading, and Social Studies Teacher Certification)
Minimum required: 124 semester hours

General Requirements:
1. Students must be admitted to the teacher preparation program in order to enroll in the teacher preparation course sequence completed in the junior and senior year.
2. A 2.75 overall GPA is required to be admitted to the teacher preparation program, enroll in the teacher preparation course sequence, enroll in student teaching, and to graduate.
3. A 2.5 major GPA is required to graduate.
4. All courses in the teacher preparation course sequence and the major must be completed with a grade of C or better.
5. Note certain courses require a grade of C or better as part of the admittance requirements to the teacher preparation program.
6. Note some courses require a grade of C or better as a prerequisite to other courses in the degree program.

Minimum required: 124 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 | Course | Hr
ANTH 1312, ECO 2301, GEO 1310, PSY 1300, or SOCI 1310 | 3 | BIO 1320 | 3 | CHEM 1310 | 3 | EDST 3309 | 3
ECO 2301 or 2314 | 3 | ECO 2310 | 3 | ECO 2314 | 3 | Advanced EDST elective | 3
ENG 1300 | 3 | Eng 1320 | 3 | Eng 1320 | 3 | Advanced ENG elective | 3
ENG 1310 | 3 | PWI 2320 | 3 | PWI 2320 | 3 | Advanced ENG elective | 3
MATH 1315 | 3 | PWI 1305 or 1320 (WI) | 3 | PWI 1305 or 1320 (WI) | 3 | Advanced ENG elective from Group II | 3
PHW | 1 | PWI 1340 or 1350 | 3 | PWI 1340 or 1350 | 3 | PWI 1340 or 1350 (WI) | 3
PHYS 1310 | 3 | PWI 2310 | 3 | PWI 1310 (WI) | 3 | PWI 1310 (WI) | 3
PHYS 2310 | 3 | PWI 3310 | 3 | PWI 3310 | 3 | PWI 3310 or 1320 (WI) | 3
US 1100 | 1 | PWI 1110, 1220 | 3 | PWI 1110, 1220 | 3 | PWI 1110, 1220 | 3
Total | 17 | TOTAL | 17 | Total | 17 | 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 | Course | Hr
BIO 2450, 4305, 4402 | 11 | BIO 2411, 4403 | 8 | BIO 3421, 4416 | 8 | EDST 4680 | 6
CI 3310, 3325 | 6 | ANTH 3309, 3314, or 3324 | 3 | CHEM 3310, 3320, or 3324 | 3
CI 3310, 3325 | 6 | CHEM 3310 | 3 | CHEM 3310, 3320, or 3324 | 3
CM 3319 | 3 | CHEM 1110 | 3 | CHEM 1110 | 3
ENG 3340 | 3 | CHEM 1110 | 3 | CHEM 1110 | 3
HIST 1320 (WI) | 3 | HIST 1320 (WI) | 3 | HIST 1320 (WI) | 3
MC 3319 | 3 | HIST 1320 (WI) | 3 | HIST 1320 (WI) | 3
PHW | 1 | PWI 1305 or 1320 | 3 | PWI 1305 or 1320 | 3
Total | 17 | Total | 18 | Total | 18 | Total | 18 | Total | 6
Minor in Secondary Education

A minor in Secondary Education requires 21 hours, including SPED 2360, 3338, 3390, 4344, 4345, and 4381.

Courses in Curriculum and Instruction (CI)

3300 Middle School Curriculum and Instruction. (3-2) 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: Admittance to teacher education; 2.75 overall GPA; Education Core Courses. (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; Admittance to teacher education; 2.75 overall GPA; EDST 4360, 4381. (WI)

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; Admittance to teacher education; 2.75 overall GPA. (WI)

3322 The Design and Application of the EC-6 Curriculum. (3-1) 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: Admittance to teacher education; Education Core Courses; 2.75 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 contemporaneous adolescent literature. Prerequisites: Junior classification; Admittance to teacher education; 2.75 overall GPA. (WI)

3332 Foundations of Bilingual and ESL Education. (3-2) 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: Admittance to teacher certification; 2.75 overall GPA; Education Core Courses.

4300 Middle-Level Philosophy and Schooling. (3-2) 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: Admittance to teacher education; 2.75 overall GPA; Education Core Courses.

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: Admittance to teacher education; 2.75 overall GPA; CJ 3310 or 4332, CI 3315 or 3325.

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 classification and admissibility to teacher education; 2.75 overall GPA.

4343 Instructional Strategies for the Secondary Teacher. (3-2) 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: Admittance to teacher education; 2.75 overall GPA.

4550 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: Admittance to teacher education; MATH 1315 or 1319; MATH 2311, 2312; Junior classification; 2.75 overall GPA.

4555 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: Admittance to teacher education; PHYS 1310, 1320, 1110; BIO 1320; 2.75 overall GPA.

4560 Methods and Materials for Teaching ESL in the Content
Areas. (3-1) This course addresses content, methods, and materials of elementary ESL classroom instruction, including critical, applied and meeting the needs of English language learners in all academic content areas. Prerequisites: Admittance to teacher education; CI 3310, 3315, ECE 4500 (for ESL Generals); CI 3323, CI 4461, and 2.75 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 different levels of Proficient (LEP) pupils 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; 2.75 overall GPA; CI 3310, 3315, and ECE 4300.

4362 The Elementary Bilingual Content Areas. (3-2) A study of the mathematics, science, social studies, and language arts curriculum of the bilingual elementary classroom. Prerequisites: Admittance to teacher education; CI 3332, 3461, and 2.75 overall GPA.

4370 Classroom Management, Ethics, and Legal Issues in Secondary Teaching. (3-2) This course focuses on the development of an appropriate classroom management system based on current theory and research, analysis of Child Efficacy strategies as related to classroom teachers and students, and field experiences in a variety of secondary classroom environments. Prerequisites: Admittance: to teacher education; CI 3325 and CI 4332; 2.75 overall GPA; Corequisites: CI 4322, 4325.

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; (ii) Secondary; and (iii) Bilingual. Repeatable for credit with different emphasis. Prerequisite: Admittance to teacher education; 2.75 overall GPA.

Courses in Early Childhood Education (EC/ECE) 4300 The Language 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: Admittance to teacher education; Junior classification; 2.75 overall GPA.

4310 Seminar for Teachers of Young Children. (3-1) Directed field experiences in observation, participation, problem solving, assessing and teaching in programs for young children. A minimum of 50 hours of work is required in addition to assignment (three hours weekly) in an approved preschool or kindergarten program. Prerequisites: Admittance to teacher education; CI 3310, 3315, RDG 4320, ECE 4300; 2.75 overall GPA.

4352 Curriculum for Preschool and Kindergarten Children. (3-0) Emphasizes research, program development, and developmentally appropriate teaching strategies, materials and practices, and early childhood education as a family. Prerequisites: Admittance to teacher education; CI 3310, CI 3315, RDG 4320, ECE 4300; 2.75 overall GPA.

4360 Independent Study in Early Childhood. (3-0) In depth study of selected topics of current interest in early childhood education. Work due on independent study basis with faculty member and only with permission of department. Prerequisite: 2.75 T exas State GPA; Corequisites: ECE 4300; 2.75 overall GPA; (WI).

4361 Psychological Foundations of Bilingual Education. (3-0) This course is designed to provide students who require compulsory instruction in vocabulary, reading comprehension, critical reading, study skills, and text-taking skills. Required for students who fail to make passing scores on the T ASP reading subtest. Concurrent enrollment in specific sections of appropriate general education courses is required. Credit for this course will not count toward any baccalaureate degree in education.

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: Admittance to teacher education; RDG 3315, 4310, 4370; 2.75 overall GPA.

3315 Assessing Literacy: Early Childhood Through Grade Six. (3-2) 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. Prerequisite: Admittance to teacher education; CI 3310 or 3320; 2.75 overall GPA; Corequisites: CI 4315, 4325; RDG 3320.

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 methodology for language development. The workshop approach for reading and writing is emphasized. Prerequisites: Admittance to teacher education; CI 3310, RDG 4320, CI 3315 or 3320; Corequisites: RDG 3310, RDG 3321; 2.75 overall GPA. (WI).

3321 Literacy Instruction for Early Childhood Through Grade Six. (3-2) Course provides for the understanding, critical analysis and application of reading and writing materials, with a focus on ESL theories and methodologies. Course is taught in a field-based setting. Prerequisites: Admittance to teacher education; CI 3315 or 3325, 3101 or 3125; 2.75 overall GPA; Corequisites: ECE 4325, RDG 3310, 4325; Corequisites for EC-6 CI 4325, RDG 3315, 3320, Corequisites for SPED All-level: RDG 3325, CI 3275; 2.75 overall GPA. (WI; MC).

3353 Integrating Reading and Writing in Literacy Areas. (3-2) Provides information about reading in secondary content areas emphasizing selection and use of materials, including textbooks in print and electronic formats. Topics include instruction in adapting classroom management strategies and adapting instruction to meet student needs. Prerequisites: Admittance to teacher education; CI 3325, 4325; Corequisites: CI 4343, 4370; 2.75 overall GPA.

4301 Content Reading. (3-2) Course provides information about instruction in the elementary content areas with emphasis on the effective use of textbooks and tradebooks. Course topics include: decoding nature and purpose of content reading and reading, selection, use of textbooks, comprehension, inquiry learning and problem solving, and assessment and meeting individual needs in content reading. Prerequisites: Admittance to teacher education; CI 3310, 3325; Corequisites: RDG 3315; 2.75 overall GPA.

4320 Language and Literacy in Diverse Communities. (3-0) Course includes the examination of sociolinguistic theories related to the introduction to cultural diversity in literacy. Topics address social identity factors, ethnicity, language variation, bilingualism, and the acquisition of Standard American English with implications for effective literacy instruction. Prerequisite: Admittance to teacher education; Junior classification; Corequisites: CI 3310, ECE 4300; 2.75 overall GPA. (MC).

4380 Independent Study. (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: Admittance to teacher education; 2.75 overall GPA.

Courses in Special Education (SPED) 4360 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. Prerequisites: Junior classification; Admittance to teacher education; 2.75 overall GPA.

3358 Counseling Students with Emotional/Behavioral Disorders. (3-0) This course focuses on areas associated with teaching students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, related contributing factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues. Prerequisites: Admission to teacher education; 2.75 overall GPA; Co-requisites: SPED 2360.

4360 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 selection of these instruments for instruction or evaluation. Prerequisite: Admittance to teacher education; 2.75 overall GPA.

4310 Selected Topics in Special Education. (3-0) In-depth study of selected topics and issues in special education. Work done on an independent study basis with faculty member available and only with permission of department. Prerequisite: Admittance to teacher education; 2.75 overall GPA.

4340 Evidence-Based Instructional Practices for Students with Mild or Moderate Disabilities. (3-0) This course delineates evidence-based instructional practices and strategies for students with mild or moderate disabilities. The course targets curricular and instructional design for students who need specialized methods for successful learning. Topics include: curricular and instructional design, learning strategies, data-based learning monitoring, specialized evidence-based strategies matched to presenting characteristics, and evidence-based inclusion models. Prerequisites: 2.75 T exas State GPA; SPED 2360. Prerequisites: 2.75 overall GPA.

4344 Educating Students with Mild Disabilities. (3-0) Course provides information about modifications for students with mild characteristics. Disabilities of special education categories include: Mild Mental Retardation, Learning Disability, and Behavioral Disorders. Role of classroom management and classroom teacher’s role with students with mild disabilities addressed. Methods for individualizing instruction for students with mild disabilities and conditions presented. Prerequisites: Admittance to teacher education; Junior classification; 2.75 overall GPA.

4345 Teaching Language Arts to Students with Disabilities. (3-0) Course provides emphasis for students who struggle with reading, 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: Admission to teacher education; SPED 2360; 2.75 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 self-regulation, increasing desired group and individual behaviors, and positive strategies for reducing inappropriate group and individual behaviors. Prerequisites: Admittance to teacher education; 2.75 overall GPA.

4381 Educating Students with Mental Retardation and Other Severe Disabilities. (3-0) This course provides an overview of mental retardation and other severe disabilities. The course will examine the implications of these disabilities for children and youth and include specialized assessment and instructional strategies, functional

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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 instruction in 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 requiring interpersonal communication skills that facilitate counseling before entering into graduate study. The course offers instruction in counseling, counseling theories, and interpersonal communication skills that facilitate counseling relationships. Repeatable for credit with different emphasis.

Department of Health and Human Performance
Jowers Center A116
T: 512.245.2561 F: 512.245.8678
www.hlpp.txstate.edu

Degree Programs Offered

**BESS, major in Exercise and Sports Science (Pre-Therapy Emphasis)**
**BESS, major in Exercise and Sports Science (All-Level Physical Education Teacher Certification)**
**BS, major in Health and Wellness Promotion**
**BSRA, major in Recreational Administration**
**BSRA, major in Recreational Administration (Concentration in Therapeutic Recreation)**

Minors Offered

Coaching Athletics
Exercise and Sports Science
Health and Wellness Promotion
Recreational Administration

The Bachelor of Exercise and Sports Science (BESS) has several specializations that allow graduates to prepare for careers in education, exercise prescription, health professions, management of exercise programs, and cooking. The BESS with All-Level Physical Education Teacher Certification prepares graduates to teach in elementary and secondary schools in Texas and beyond. The BESS with a concentration in Health and Wellness Promotion for Clinical Populations prepares graduates for careers in cardio-pulmonary, clinical exercise, and diagnostic testing and programming for cardiac rehabilitation and other special populations. The BESS with a concentration in Pre-Therapy gives students a degree that is well aligned with entrance requirements of advanced study in allied health professions like physical therapy, occupational therapy, prosthetics, or physician’s assistant. The BESS with a major in Health and Fitness Management and minor in Business blends exercise science knowledge with the management and leadership skills needed to direct fitness enterprises and wellness/health awareness programs in commercial, corporate, and institutional settings.

Texas State University has a long and rich history with regard to athletic training education. Our Athletic Training Education Program (ATEP) was one of the first programs in the United States to be accredited, and during 2011-2012 celebrated 40 years of continuous accreditation. The Bachelor of Science degree program in Athletic Training is currently accredited through the 2019-2020 academic year by the Commission on Accreditation of Athletic Training Education (CAATE). This program prepares its graduates to become certified athletic trainers (ATC), health care professionals who specialize in the prevention, diagnosis, clinical management and rehabilitation of musculoskeletal injuries and medical conditions of the student-athletes that they care for. As a certificate of a complete health care team, athletic trainers work under the direction of licensed physicians and in cooperation with other health care providers.

Admission to the Texas State ATEP is a competitive process that involves completion all of the requirements associated with a Pre-Athletic Training Program, e.g., specific prerequisite courses, 70 hours of directed observation, a formal written application, a formal interview and, minimum Texas State GPA of 2.5. Admission selections are made at the end of each academic year in early June; the 10 top-ranked students are offered admission for the upcoming year as sophomores in the program. Once admitted, the Athletic Training major requires six long semesters (three years) of supervised clinical education experiences in conjunction with a formal sequence of lecture and laboratory-based courses. Completion of our Bachelor of Science degree in Athletic Training qualifies the student to take the national Board of Certification examination and the Texas Advisory Board of Athletic Trainers state licensure examination. For the most current program information and a comprehensive list of all of the ATEP admission requirements, please refer to our website, http://www.hlpp.txstate.edu/Divisions/Athletic-Training.html.

Health promotion is the process of empowering people to make informed decisions to improve personal and community health. The Bachelor of Health and Wellness Promotion provides students the opportunity to become competent in the seven areas of responsibility to improve the practice of health education and promotion. Degree focus areas offered include community health promotion or school health education with the option of becoming certified. The Bachelor of Health Education Specialist or obtaining teacher certification. Professionals in health education and health promotion work in many settings, including community, school (K-12), health care, business/industry, college/university professional preparation programs, and university health services settings.

The Bachelor of Science in Recreational Administration combines classroom learning and on-the-job training in two career tracks: recreation administration and therapeutic recreation. Students study such areas as recreation programming, leadership, marketing, evaluation, administration, and therapeutic recreation. Recreational administration graduates work in camps, nursing homes, recreation centers, resorts, hospitals, rehabilitation facilities, fitness centers, state and national parks. The program is nationally accredited in recreation administration and therapeutic recreation. Students who successfully complete the program are eligible to sit for certification examinations for National Council for Therapeutic Recreation Certification (CTRS) and/or the National Recreation and Park Association’s National Certification Board (CPRP).

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 1011-HS, 1510-HS, and 1166-HS.

Admittance to the Teacher Preparation Program
In addition to meeting the requirements for admission into the University, formal admittance into the teacher preparation program includes the following:
1. Completion of GPA 2.75 or higher
2. Completion of the following coursework with a grade of “C” or better to demonstrate competency in the following skill areas:
   a. Reading: HIST 1310 or 1320 or POSI 2310 or 2320 or a course equivalent to these
   b. Written Communication: ENG 1310 and ENG 1320 or their equivalents
   c. Critical Thinking: PHIL 1305 or PHIL 1320 or its equivalent
   d. Mathematics: MATH 1315 or 1319 or 2417 or 2471 for the Bachelor of Science degree majors or all of the mathematics course(s) required for the selected major for high school (Grades 8-12) and all-level (Grades EC-12) certificates
3. Completion of COM 1310 or its equivalent with a “B” or better to demonstrate competency in oral communication.
   If the grade is lower than a “B” then an interview with OEP will need to be scheduled.
4. Attend a Saturday Seminar or Complete an Education-focused University Seminar 1100 Course.
5. Apply to the Teacher Preparation Program

The online application form is available at http://www.education.txstate.edu/ where students can complete the application. If they are accepted, they will be notified.

More information regarding admittance into teacher education is available through the Office of Educator Preparation (www.education.txstate.edu/oep). 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) may have different and/or additional requirements as stated in the guidelines for these programs. See additional information on the College of Education website (www.education.txstate.edu).

On meeting the requirements for admittance, 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 to choose courses that will lead to graduation as well as certification. They are encouraged to join student organizations related to the teaching profession.
Bachelor of Exercise and Sports Science
Major in Exercise and Sports Science
(Concentration in Pre-Physical Therapy)
Minimum required: 120 semester hours

General Requirements:
1. This degree is designed to prepare graduates for application to professional schools in physical therapy, occupational therapy, or physician’s assistant. Completion of this degree, however, does not guarantee admission to graduate programs that have competitive admissions.

2. A 2.75 Texas State GPA is required to enroll in AT courses.

3. Students are required to complete AT 4380: Internship in Clinical Settings.

4. Students are required to take 5 activity courses in addition to the 2 core PFW courses. ESS activity courses should be taken in the specific areas described below:
   - Weight Training (1 credit hour): ESS 1179.
   - Conditioning (1 credit hour), select from: ESS 1175, PFW 1110A, 1110B, 1135A, 1135B, or 1190B.
   - Team Sports (1 credit hour), select from: ESS 1172, 1177, or 1192.

5. Note certain courses require a grade of C or better as part of the admittance requirements to the teacher preparation program.

6. Note some courses require a grade of C or better as a prerequisite to other courses in the degree program.

7. 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 and recommended minors.

8. Students must be admitted to the teacher preparation program in order to enroll in the teacher preparation course sequence completed in the junior and senior year. For more information, visit the Office of Educator Preparation website at www.education.txstate.edu/oep

9. Students must complete three hours of ESS advanced elective theory chosen from: ESS 3321, 3323, 3340, 4337.

Bachelor of Exercise and Sports Science
Major in Exercise and Sports Science
(All-Level Physical Education Teacher Certification)
Minimum required: 128 semester hours

General Requirements:
1. Students must be admitted to the teacher preparation program in order to enroll in the teacher preparation course sequence completed in the junior and senior year. For more information, visit the Office of Educator Preparation website at www.education.txstate.edu/oep

2. All courses in the major, second teaching field, and teacher preparation course sequence must be completed with a grade of C or better.

3. A 2.75 major GPA is required to graduate.

4. A minor or second teaching field, and teacher preparation course sequence courses must be completed with a grade of C or better.

5. Note some courses require a grade of C or better as part of the admittance requirements to the teacher preparation program.

6. Some courses require a grade of C or better as a prerequisite to other courses in the degree program.

7. 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 and recommended minors.

8. Students are required to take 5 activity courses in addition to the 2 core PFW courses. ESS activity courses should be taken in the specific areas described below:
   - Weight Training: ESS 1179.
   - Conditioning: ESS 1175, PFW 1110A, 1110B, 1135A, 1135B, or 1190B.

9. Students must complete three hours of ESS advanced elective theory chosen from: ESS 3321, 3323, 3340, 4337.

### Bachelor of Exercise and Sports Science (Concentration in Pre-Physical Therapy)

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### Bachelor of Exercise and Sports Science (All-Level Physical Education Teacher Certification)

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General Requirements:

1. The Athletic Training Education Program (ATEP) is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Students desiring admission must complete the requirements associated with the Pre-Athletic Training major at Texas State University. For more information, please refer to http://www.hhp.txstate.edu/Divisions/Athletic-Training.html.
2. Students admitted to the Athletic Training Education Program must be committed to taking the Board of Certification examination, as well as the Texas Advisory Board of Athletic Trainers licensure examination during the last semester prior to graduation.
3. To be considered for admission to the ATEP, students must complete MATH 1315 or 1319 and BIO 1330 or 1130 or 1421.
   - Complete the application including a professional letter of application and current resume.
   - Establish a minimum Texas State GPA of 2.75.
   - Complete 70 hours of directed athletic training observation as part of AT 1298.
   - Hold current emergency cardiac care (ECC) certification in CPR/AED at the professional rescue level.
4. The six-component objective formula used to rank applicants for admission to the ATEP major is available to view at http://www.hhp.txstate.edu/Divisions/Athletic-Training/Undergraduate-Program.html.
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. A 2.5 Texas State GPA is required to enroll in the internship.
7. A 2.0 GPA is required in the minor to graduate.
8. Students accepted into the program must successfully pass a physical examination and provide current immunization records at the Texas State Student Health Center.
9. The Athletic Training Education Program (ATEP) is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Students desiring admission must complete the requirements associated with the Pre-Athletic Training major at Texas State University. For more information, please refer to http://www.hhp.txstate.edu/Divisions/Athletic-Training.html.
10. Upon completion of the degree, the graduate will be qualified to take the Board of Certification's national examination and the Texas Advisory Board of Athletic Trainers licensure exam.
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63. A 2.0 GPA is required in the minor to graduate.
64. Students accepted into the program must successfully pass a physical examination and provide current immunization records at the Texas State Student Health Center.
### Bachelor of Health and Wellness Promotion

#### Major in Health and Wellness Promotion

**Minimum required: 120 semester hours**

**General Requirements:**

1. A minor is required and must not be a minor in Health and Wellness Promotion.
2. A 2.0 GPA is required in the minor in order to graduate.
3. Students must select 9 elective hours from the following major course options: H ED 2338, 3301, 3348, 3360, 3374.
4. Students must complete H ED 4660: Internship in Health and Wellness Promotion.
5. A 2.5 Texas State GPA is required to enroll in the internship.

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**Total:**

- Freshman - 1st semester: 16-17 Hrs
- Freshman - 2nd semester: 16-17 Hrs
- Sophomore - 1st semester: 18 Hrs
- Sophomore - 2nd semester: 17 Hrs

**Bachelor of Health and Wellness Promotion**

**Major in Health and Wellness Promotion (All-Level Teacher Certification)**

**Minimum required: 128 semester hours**

**General Requirements:**

1. Students must be admitted to the teacher preparation program in order to enroll in the teacher preparation course sequence completed in the junior and senior year.
2. A 2.75 overall GPA is required to be admitted to the teacher preparation program, enroll in the teacher preparation course sequence, enroll in student teaching, and to graduate.
3. A 2.5 major GPA is required to graduate.
4. All courses in the major, second teaching field, and teacher preparation course sequence must be completed with a grade of C or better.
5. Note certain courses require a grade of C or better as part of the admittance requirements to the teacher preparation program.
6. Note some courses require a grade of C or better as a prerequisite to other courses in the degree program.
7. A minor or second teaching field is required and must not be a minor in Health and Wellness Promotion. Courses toward a second teaching field are recommended to improve job opportunities. Consult an academic advisor for a list of available second teaching fields and recommended minors.

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<th>Course</th>
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**Total:**

- Freshman - 1st semester: 18 Hrs
- Freshman - 2nd semester: 18 Hrs
- Sophomore - 1st semester: 18 Hrs
- Sophomore - 2nd semester: 18 Hrs

For more information, visit the Office of Educator Preparation website at www.education.txstate.edu/oep.
Bachelor of Exercise and Sports Science  
Major in Exercise and Sports Science  
(Concentration in Health and Wellness Promotion for Clinical Populations)  
Minimum required: 120 semester hours

General Requirements:
1. This degree program is designed to prepare graduates for study towards a Master's degree in Exercise Physiology, Biomechanics, or a similar field of study. Completion of this degree does not guarantee admission to a graduate program.
2. This degree program can lead to careers in cardiopulmonary, clinical exercise, and diagnostic testing and programming for cardiac rehabilitation and other special populations. Additional requirements may be necessary to enter these fields. 
3. Students must complete HED 4660: Internship in Health and Wellness Promotion. 
4. A 2.5 Texas State GPA is required to enroll in the internship.

General Requirements:
1. Graduates are prepared to take the national examination to obtain the Certified Park and Recreation Professional certification endorsed by the National Recreation and Park Association.
2. Students must complete 17 elective hours, 12 of which must be advanced, as prescribed by the program coordinator. 
3. Students must complete REC 4680: Internship in Recreation. 
4. Note that some REC courses may only be offered once a year, during a fall or spring semester.

Bachelor of Exercise and Sports Science  
Major in Exercise and Sports Science  
(Concentration in Health and Wellness Promotion for Clinical Populations)  
Minimum required: 120 semester hours

General Requirements:
1. This degree program is designed to prepare graduates for study towards a Master's degree in Exercise Physiology, Biomechanics, or a similar field of study. Completion of this degree does not guarantee admission to a graduate program.
2. This degree program can lead to careers in cardiopulmonary, clinical exercise, and diagnostic testing and programming for cardiac rehabilitation and other special populations. Additional requirements may be necessary to enter these fields. 
3. Students must complete HED 4660: Internship in Health and Wellness Promotion. 
4. A 2.5 Texas State GPA is required to enroll in the internship.

Bachelor of Science in Recreational Administration  
Major in Recreational Administration  
Minimum required: 120 semester hours

General Requirements:
1. Graduates are prepared to take the national examination to obtain the Certified Park and Recreation Professional certification endorsed by the National Recreation and Park Association.
2. Students must complete 17 elective hours, 12 of which must be advanced, as prescribed by the program coordinator. 
3. Students must complete REC 4680: Internship in Recreation. 
4. Note that some REC courses may only be offered once a year, during a fall or spring semester.
Minor in Coaching

A minor in Coaching requires 22 hours and is designed to provide basic expertise in coaching based on the NASPE standards for sport coaches. Students receive field experience through a supervised internship. The program of study includes: AT 2356; Three of the following: ESS 1172, ESS 1176, ESS 1177 or ESS 1178; ESS 3171, ESS 3371, ESS 3370, ESS 3340, ESS 4340, and ESS 4340. The minor is not available to students majoring in Exercise and Sports Science.

Minor in Exercise and Sports Science

A minor in Exercise and Sports Science requires 25 hours, including AT 2356, BIO 2430, ESS 1100, ESS 1179, ESS 3171, ESS 3371, ESS 3370, ESS 3340, ESS 4341, and ENG 3351. This minor is not available to students who major in Exercise and Sports Science. Furthermore, ESS 1100 and ESS 1179 are in addition to the 2, one-hour PFW classes required by the general education core curriculum.

Minor in Health and Wellness Promotion

A minor in Health and Wellness Promotion requires 18 hours, including H ED 1320, 2340, 3350, 4336, and 4406.

*Eligibility for the Certified Health Education Specialist (CHES) certification requires an additional 7 hours from upper-level (3000 or higher) health education (H ED) courses.

Second Teaching Field in Health and Wellness Promotion

A second teaching field in Health and Wellness Promotion requires 24 hours, including H ED 1330, 1335, 3331, 3335, and 3 courses from: 2338, 3301, 3348 or 3360.

Minor in Recreational Administration

A minor in Recreational Administration requires 18 hours, including REC 1330, 2335, 3328, and six hours selected from: REC 1330, 1335, 3331, 4336, or 4406.

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. Prerequisite: Must be admitted to the Athletic Training major or to the Pre-Physical Therapy Emphasis.

3126 Evaluation Techniques of Upper Extremity Injuries. (3-0) 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 an Athletic Training major.

3129 Applied Laboratory of Upper Extremity Injuries. (3-2) 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 3236. Prerequisite: Must be admitted to the Athletic Training major or to the Pre-Physical Therapy Emphasis.

3146 Applied Laboratory for Therapeutic Modalities. (3-0) This course provides students with experiences in laboratory and field applications of therapeutic modalities of all athletic injuries. Co-requisite: AT 3236. Prerequisite: Must be admitted to the Athletic Training major or to the Pre-Physical Therapy Emphasis.

3156 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. Prerequisite: Must be admitted to an Athletic Training major or to the Pre-Physical Therapy Emphasis. Prerequisite Course(s): BIO 1421 or 1330, 1130, BIO 2430.

3526 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 special tests used in the clinical evaluation of upper extremity injuries to the physically active individual. Co-requisite: AT 3126.
Courses in Exercise and Sports Science (ESS)

1100 Lifestyle Fitness and Wellness. (2-0) This course introduces students to the components of health-related physical fitness. Emphasis is placed on learning how to teach these concepts. Students will design and implement an exercise program for enhancing health-related physical fitness. Prerequisite: Major or minor in Exercise and Sports Science or major in Athletic Training.

1128 Aquatic Therapy. (2-0) The course addresses basic principles and concepts of aquatic therapy and aquatic emergency management. This course prepares students to teach a variety of formats, such as high- and low-impact aerobic, step aerobics, kickboxing, yoga, and resistance training. Prerequisites: Major seeking All-Sport Certification, Health and Fitness Management, or consent of the instructor.

1130 Introduction to Exercise and Sports Science. (3-0) This course introduces students to the various areas of exercise science and sport management. Emphasis is placed on the education knowledge and movement concepts. It provides students with the theoretical and practical knowledge necessary to enter the field of exercise science.

2320 Motor Development. (3-0) This course provides students with an understanding of motor behaviors, and the factors that influence them. Prerequisite: Major or minor in Exercise and Sports Science or minor in Coaching.

2321 Moving in Health and Fitness. (3-0) This course introduces students majoring in Elementary Education and/or Exercise and Sports Science to physical education knowledge and movement concepts. It provides innovative, tertiary, and physical education courses within the elementary school setting. The course presents theory and guides the students in applying those theories in a practical way.

3323 Psychosocial Aspects of Exercise and Sport Science. (3-0) This course examines the psychological and social theories related to physical activity. Emphasis is on the determinants that influence exercise behavior and sport participation. Prerequisites: ESS 3317, ESS 3319, and ESS 3321.

3356 Organization and Management of Athletic Training Programs. (3-0) This course investigates administrative aspects of program management. Topics will include, but are not limited to medical, ethical, legal, personnel and financial management, medical record keeping, facilities, supply requisition and inventory, third-party reimbursement, and other current professional issues. Prerequisite: AT 3326. (WT)

3358 Clinical Pathopharmacology. (3-0) This course combines pathophysiology with the pharmacology of tissue and organ function. Topics include disease and drug 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 rehabilitation, and computerized technological management. Prerequisite: BIOL 2340 or PT 3400.

3397 Clinical Experience in Athletic Training III. (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 3497.

3398 Clinical Experience in Athletic Training IV. (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.

3497 Clinical Experience in Athletic Training II. (2-20) This course is a theoretical and evidence-based approach to the use of therapeutic exercise in physical medicine settings. Special emphasis is placed on understanding the physiological effects, indications, contraindications and clinical application of modalities in the treatment and rehabilitation of musculoskeletal and neurological injuries and diseases. Co-requisite: AT 3316. Prerequisite: Minimum 2.75 Texas State GPA.

3498 Clinical Experience in Athletic Training V. (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.
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4320 Resistance Training and Conditioning. (2-1) This course focuses on instruction of the physiological and mechanical principles related to Exercise and Sports Science with content knowledge on how to instruct physical activities in different settings. Prerequisites: ESS 1310, 2320 and 2.75 overall GPA.

4338 Preventing and Responding to Emergencies. (3-0) Students can earn Cardiopulmonary Resuscitation (CPR), and Responding to Emergencies certification.

3301 Environmental Health Issues. (3-0) Emphasis is placed on becoming health-literate consumer, understanding legislation, and investigating products and services.

3680 Athletics Assessment and Exercise Prescription. (3-0) This course provides students with the knowledge and skills of health-related physical fitness testing and exercise programming for individuals of all ages and fitness levels. Emphasis will be placed on the application of knowledge to improvement of health-related physical fitness and wellness. Prerequisites: ESS 1310, 2320 and 2.0 GPA.

4340 Internship in Coaching. (0-15) This 220-hour internship provides students with work-related experience. Students will strengthen their coaching or employment skill sets, team management, and organizational skills through hands-on experiences to meet the students with disabilities in school settings. Prerequisites: Completion of all coursework required for ESS 1310 (PHED 1304) Foundations of Personal Health. (3-0) Course discusses the development, instruction, and evaluation of aerobic and anaerobic training principles and programs for diverse populations and settings. Emphasis is placed on the physiological and the mechanical principles related to resistance training with application to human performance, injury prevention, and health promotion. Prerequisite: ESS 3317 or consent of the instructor.

3430 Principles of Coaching. (3-0) This course provides students with a thorough understanding of the health education/physical education discipline of Health and Wellness Promotion, including philosophy, ethics, strategies, team motivation and organization, coach-athlete relationships, performance analysis, and the administration of facilities, personnel, and contests.

3437 Independent Study in Exercise and Sports Science. (1-2) This course is for students who are interested in research related to Exercise and Sports Science. Students develop a research study, collect data, and analyze results, which are acceptable for credit with different emphases. Prerequisites: A minimum GPA of 3.00 and special approval.

3438 Prevention of Disease. (3-0) This course addresses concepts essential to understanding the influence of drug use and abuse on society and provides students with a critical perspective on drug-related problems. Prerequisites: ESS 1310, 2320 and 2.75 overall GPA. Prerequisites: ESS 1310, 2320 and 2.75 overall GPA.

3440 Physical Education and Exercise Prescription Practicum. (2-6) During this 120-hour practicum, students work in the Human Performance Laboratory and participate in lab- and field-based activities designed to assess and enhance human performance. Emphasis is on strengthening students' skills and abilities to conduct health appraisals and fitness tests as well as to prescribe safe and effective exercise. Prerequisites: ESS 3317, 3326 with a grade of "C" or higher, and BHO 2430 or equivalent.

3450 Exercise and Sports Science Internship. (0-40) In this 480-hour internship, students will apply theoretical health and fitness knowledge and concepts to a community health setting. Course requires students to participate in a health and fitness organization and complete a semester-long planning and evaluation project. Prerequisites: ESS 3310, 2320, 3325, and 2.75 overall GPA.

4351 Measurement & Evaluation in Exercise and Sports Science. (3-0) This course introduces students to the fundamental principles and techniques of measurement and evaluation related to Exercise and Sports Science, as well as evaluating and interpreting the results of exercise science and human performance tests in children and adults.

4359 Human Performance Laboratory and participate in lab- and field-based activities designed to assess and enhance human performance. Emphasis is on strengthening students' skills and abilities to conduct health appraisals and fitness tests as well as to prescribe safe and effective exercise. Prerequisites: ESS 3317, 3326 with a grade of "C" or higher, and BHO 2430 or equivalent.

3460 Exercise and Sports Science Internship. (0-40) In this 480-hour internship, students will apply theoretical health and fitness knowledge and concepts to a community health setting. Course requires students to participate in a health and fitness organization and complete a semester-long planning and evaluation project. Prerequisites: ESS 3310, 2320, 3325, and 2.75 overall GPA.

3461 Principles of Coaching. (3-0) This course is 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 health education faculty. May be repeated for credit with different emphasis.

4374 Interprofessional Service Learning in Global Health. (3-0) This course focuses on principles of international health and wellness promotion with global populations. Emphasis is placed on understanding the role health professionals play in developing, implementing, and evaluating prevention strategies. Students explore roles of health education professionals working with providers of health services to diverse populations. Prerequisite: B or better in H ED 2340; repeatable for credit.

4375 Health in the Elementary Setting. (3-0) Course offers a foundation in the discipline of Health and Wellness Promotion, including curriculum development. Prerequisite: ESS 1310, 2320, 3325, and 2.75 overall GPA.

4376 Worksite Health Promotion. (3-0) The purpose of this course is to introduce students to workforce health promotion. The focus of the course will be on planning, implementing, and evaluating worksite health promotion programs. The course will address the following issues, priorities, concerns, and considerations that affect workforce health promotion.

4380 Health Education and Promotion in International Populations. (3-0) This course is 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 health education faculty. May be repeated for credit with different emphasis.

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, planning; design, implementation and evaluation of health education programs; program evaluation and outcome assessment; and program development. Cultural competence and communication will also be covered. Prerequisites: H ED 2340 with a grade of "C" or better.

3450 Internship in Coaching. (0-15) This 220-hour internship provides students with work-related experience. Students will strengthen their coaching or employment skill sets, team management, and organizational skills through hands-on experiences to meet the students with disabilities in school settings. Prerequisites: ESS 1310, ESS 3317 with a grade of "C" or higher, and BHO 2430 or equivalent.

3451 Measurement & Evaluation in Exercise and Sports Science. (3-0) This course introduces students to the fundamental principles and techniques of measurement and evaluation related to Exercise and Sports Science, as well as evaluating and interpreting the results of exercise science and human performance tests in children and adults.

3455 McFarland Research Methods & Statistics. (3-0) This course is 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 health education faculty. May be repeated for credit with different emphasis.

4350 Principles of Community Health Education and Promotion. (3-0) This course is 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 health education faculty. May be repeated for credit with different emphasis.

4375 Health in the Elementary Setting. (3-0) Course offers a foundation in the discipline of Health and Wellness Promotion, including curriculum development. Prerequisite: ESS 1310, 2320, 3325, and 2.75 overall GPA.

4376 Worksite Health 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 health education faculty. May be repeated for credit with different emphasis.

4377 Independent Study in Health and Wellness Promotion. (3-0) Students will apply theoretical health education principles and concepts to a community health setting. Course requires participation in program design, implementation and evaluation of health education interventions. Prerequisites: H ED 2340 with a grade of "C" or better.

4380 Health Education and Promotion in International Populations. (3-0) This course is 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 health education faculty. May be repeated for credit with different emphasis.

4650 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 program design, implementation and evaluation of health education interventions. Prerequisites: H ED 2340 with a grade of "C" or better.
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) Beginning Swimming (0-2)
1140C (PHED 1164) Basketball–Women’s Varsity (0-6)
1140D (PHED 1164) Track & Field–Women’s Varsity (0-6)
1140E (PHED 1164) Track & Field–Women’s Varsity (0-6)

1150A (PHED 1164) Intermediate Golf (0-2)
1150B (PHED 1164) Self-Defense (0-2)
1150C (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) Raquetball (0-2)

1155H (PHED 1164) Beginning Tennis (0-2)
1155I (PHED 1164) Intermediate Tennis (0-2)
1155J (PHED 1164) Advanced Tennis (0-2)
1155M (PHED 1164) Beginning Karate (0-2)
1155N (PHED 1164) Advanced Karate (0-2)
1156A (PHED 1164) Aquatic and Leisure Activities (0-2)

1156B (PHED 1164) Beginning Volleyball (0-2)
1156C (PHED 1164) Intermediate Volleyball (0-2)
1156D (PHED 1164) Advanced Volleyball (0-2)
1156E (PHED 1164) Golf–Men’s Varsity (0-6)
1156F (PHED 1164) Golf–Women’s Varsity (0-6)
1156G (PHED 1164) Tennis–Women’s Varsity (0-6)

1160A (PHED 1164) Intermediate Modern Dance (0-2)
1160B (PHED 1164) Beginning Modern Dance (0-2)
1160C (PHED 1164) Intermediate Jazz (0-2)
1160D (PHED 1164) Beginning Ballet (0-2)

Courses in Recreational Administration (REC)

1310 (REC 2335) Introduction to Recreation and Leisure Services (3-0)
Introduction to recreation, includes brief historical back-grounds, 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, 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 opportuni-ties in therapeutic recreation profession. Identification of client groups and the role leisure time activity plays in their lives. Lecture and field trips.

1371 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.

1379 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.

1380 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.

1381 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.

1381A 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.

1381B 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.

1381D 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 pro-gramming 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.

1382 Therapeutic Recreation in Psychology. (3-0) This course pro-vides 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.

1390 Commercial Recreation. (3-0) Course will cover commer-cial recreation, entrepreneurialism, and basics of travel and facilitation and intervention strategies and “helping” tech-niques 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 admin-istration practices such as budgeting and purchasing, office management, annual reports, supervision of personnel, working with boards and volunteer leaders. Prerequisite: REC 2335.

3540 Design and Maintenance of Recreational Facilities. (3-2) Introduce theories and provide practical experience in the design, development, operation, maintenance, administration of various recreational facilities. Prerequisite: REC 2335.

3551 Evaluation of Leisure Service Programming. (3-0) Methods, techniques and evaluation 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. (W)

3560 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.

3570 Therapeutic Recreation in Psychology. (3-0) History, philosophy, appropriate terminology and professional opportuni-ties in therapeutic recreation profession. Identification of client groups and the role leisure time activity plays in their lives. Lecture and field trips.

3571 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.

3579 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.

3580 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.

3581 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.

3581A 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.

3581B 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.

3581D 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 pro-gramming 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.

3582 Therapeutic Recreation in Psychology. (3-0) This course pro-vides 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.

3590 Commercial Recreation. (3-0) Course will cover commer-cial 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.

4355 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)

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 internship level in the ongoing work of a selected outdoors and recreational agency. Prerequisites: REC 2335, 3360.

College of Fine Arts and Communication

Dean
Timothy P. Motter, Ed.D.
Old Main II2
T: 512.245.2308 F: 512.245.8386
www.finearts.txstate.edu

Associate Dean
Steven A. Beebe, Ph.D.

Associate Dean
Laurie H. Fluker, Ph.D.

Department Chairs/School Directors
Art and Design—Michael Nehlrett, M.F.A.
Communication Studies—Steven A. Beebe, Ph.D.
Journalism and Mass Communication—Judith Oskam, Ed.D.
Music—Thomas Clark, D.M.A.
Theatre and Dance—John Fleming, Ph.D.

Advising Center
Old Main 110
T: 512.245.1932 F: 512.245.8334
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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, multicultural 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 prospective students who are considering a major or minor in the College of Fine Arts and Communication.

School of Art and Design

The School of Art and Design offers programs leading to the following degrees: Bachelor of Fine Arts with a major in Communication Design; Bachelor of Fine Arts with a major in Art; Bachelor of Fine Arts with a major in Art History Specialization; Bachelor of Science with a major in Art Education; and Bachelor of Fine Arts with a major in Art Education (All-Level Teacher Certification) in the following areas of study:

Degree Programs Offered
BFA, major in Communication Design
BFA, major in Photography
BFA, major in Studio Art (specializations in Ceramics, Drawing, Metals, Painting, Printmaking and Sculpture)
BFA, major in Studio Art (All-Level Teacher Certification)
BA, major in Art
BA, major in Art (Art History Specialization)

Minors Offered
Art and Design

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; 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, 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.

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
The Communication Design Program, a three and a half year sequenced curriculum, emphasizes the integration of critical thinking with a thorough understanding of design principles and processes relevant to the professional practice of design. The program also embraces social, cultural, historical, economic, and global contexts to prepare students to advance knowledge within the discipline. This approach prepares graduates for successful entry into the profession, as well as for entry into graduate education programs.

Admission requirements for Communication Design majors are more restrictive than those of the University and enrollment is limited to provide students with a quality experience. To be considered for admission as a Communication Design major, students must have completed 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 3302 (2-D Design) and ARTF 3303 (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.

Transfer students 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 3302 (2-D Design) and ARTF 3303 (Basic Drawing). Transfer students meeting these requirements and having a cumulative grade point average of at least 3.00 will be granted automatic admission.

Incoming freshmen 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.

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.

General Requirements:
1. All General Education requirements must be met including a minimum of 75 hours in Art, including 36 advanced hours.
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.

BACHELOR OF FINE ARTS
Major in Communication Design
Minimum required: 121 semester hours

General Requirements:
1. All General Education requirements must be met including a minimum of 75 hours in Art, including 36 advanced hours.
2. Select any advanced ARTC course to satisfy ARTC electives, excluding ARTC courses already taken to satisfy course requirements.
3. To complete the DBR Social and Behavioral Science component of the core curriculum, Communication Design majors are required to take SOC 1310 or PSY 1300.
4. To complete the COS Visual and Performing Arts component of the core curriculum, Communication Design majors are encouraged to take the required course, Introduction to Fine Arts, in Dance, Music or Theatre.

Freshman Year
Course Course Course Course
Fall ARTF 1301, 1302, 1303 9 ARTF 2303, 2304 ARTF 2301 6 3
Spring ART 1301, 1302 6 ARTF 2302 3 ARTC 3301 3

Sophomore Year
Course Course Course Course
Fall ARTF 3301, 3303 6 ARTF 3316 3 ARTC 4309 6 3
Spring ARTS 1305 3 ARTC advanced elective #2 3 ARTC advanced elective #2 3

Junior Year
Course Course Course Course
Fall 1 course from ARTS 2321, 2351, 2371, 2391, or 4308B 3 1 course from ARTS 2321, 2391, 2371, 2391, or 4308B 3
Spring ARTS 3322 3 ARTC 4309 6 3

Senior Year
Course Course Course Course
Fall ART 3363 6 ART (C,H,S,T) Elective 3 ART (C,H,S,T) Elective 3
Spring ART 4364 6 ART (C,H,S,T) Elective 3 3

Total 18 Total 18 Total 18 Total 18

BACHELOR OF FINE ARTS
Major in Photography
Minimum required: 121 semester hours

General Requirements:
1. Majors must complete a minimum of 75 hours in art and design. A minimum of 21 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
Course Course Course Course
Fall ARTF 1301, 1302, 1303 9 ARTF 2302, 2301 6 ARTF 3303, 3305 6 3
Spring ARTS 2391 3 ARTS 2311 or 2331 or 2341 or 2381 3 ARTS 3322 3 ART 3363 3

Junior Year
Course Course Course Course
Fall ARTS 3305 3 ARTS 2331 or 2371 or 2381 3 ARTS 3305 3 ARTS 4305 3
Spring ARTS 2301 3 ARTS 3301 3 ART (C,H,S,T) Elective 3 ART 4300 0 ART (C,H,S,T) electives 6

Senior Year
Course Course Course Course
Fall ART 4309 6 ART from Specialization 6 ART from Specialization 6
Spring ARTS from Specialization 3 ARTS from Specialization 3 3

Total 18 Total 21 Total 18 Total 21

BACHELOR OF FINE ARTS
Major in Studio Art
Minimum required: 121 semester hours

General Requirements:
1. Majors must complete a minimum of 75 hours in art. A minimum of 21 hours are required within a chosen area of specialization from ceramics, drawing, metals, painting, printmaking or sculpture.
2. Majors must complete 15 hours of art electives for all specializations excepting 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

CONTACT THE UNIVERSITY ART GALLERY FOR ADDITIONAL INFORMATION REGARDING VISITING ARTISTS, STUDENT EXHIBITIONS, AND INTERNSHIPS.

BACHELOR OF FINE ARTS
Major in Studio Art
Minimum required: 121 semester hours

General Requirements:
1. Majors must complete a minimum of 75 hours in art. A minimum of 21 hours are required within a chosen area of specialization from ceramics, drawing, metals, painting, printmaking or sculpture.
2. Majors must complete 15 hours of art electives for all specializations excepting 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.

Drawing Specialization only

CONTACT THE UNIVERSITY ART GALLERY FOR ADDITIONAL INFORMATION REGARDING VISITING ARTISTS, STUDENT EXHIBITIONS, AND INTERNSHIPS.

BACHELOR OF FINE ARTS
Major in Studio Art
Minimum required: 121 semester hours

General Requirements:
1. Majors must complete a minimum of 75 hours in art. A minimum of 21 hours are required within a chosen area of specialization from ceramics, drawing, metals, painting, printmaking or sculpture.
2. Majors must complete 15 hours of art electives for all specializations excepting 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.

Drawing Specialization only

CONTACT THE UNIVERSITY ART GALLERY FOR ADDITIONAL INFORMATION REGARDING VISITING ARTISTS, STUDENT EXHIBITIONS, AND INTERNSHIPS.
Minor in Art and Design
Courses for the Art and Design Minor must be chosen in consulta-
tion 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 1501, ARTF 1502, and ARTF 1503. Prerequisites: ARTC 1307 and 3320.
2. Required: One course (three hours) from ARTS 2311, 2321, 2331, 2341, 2351, 2371, 2381, and 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 introduc-
tory course designed to give the student a fundamental under-
standing 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 DAIN 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 2315) Introduction to Communication Design. (3-3) Introduces the field of Communication Design including terminology, creative visual thinking/problem solving, lay-
out design, tools, and materials. Corequisite: ARTC 1302. Prerequisite: ARTC 1301, 1302, 1303 with grades “C” or higher.
1302 (ARTS 2314) Imaging I. (3-3) An introduction to digital imaging emphasizing visual strategies, techniques, and con-
cepts. Corequisite: ARTC 1301. Prerequisite: ARTF 1301, 1302, 1303 with grades “C” or higher.
2303 Typography I. (3-3) This course introduces the evolution and development of alphabets, letter forms, and typography in relationship to visual expression and communication. Corequisite: ARTC 2304. Prerequisite: Admission into the Communication Design Program. ARTC 1301 and 1304 with grades “B” or higher.
2304 Conceptual Strategies. (3-3) Focuses on concept development and logic strategies through the production of vari-
ous design forms. Corequisite: ARTC 2303. Prerequisites: Admission into the Communication Design Program. ARTC 1301 and 1302 with grades “B” or higher.
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 plat-
forms, and psychology specific to client-based communica-
tion, and the type of media used. Corequisite: ARTC 3303 and 3316. Prerequisites: ARTC 3307 and 3320.
3303 Trademark Design. (3-3) Focuses on the design process and concept development of trademark design (i.e., logo design, corporate identity, iconographic systems). The class empha-
sizes incorporating history and contemporary methodolo-
gies and practices of trademark design within the context of the
communication design discipline. Corequisites: ARTC 3301 and 3316. Prerequisites: ARTC 3307 and 3320.
3320 Branding Systems. (3-3) Focuses on the creation and applica-
tion of integrated brand communication systems. Students will develop comprehensive brand identities, typographic elements and layout designs for print and digital media.
Prerequisites: ARTC 3301, 3303 and 3316.
3370 Interactive Media I. (3-3) Introduction to Web Site design, construction and basic User Interface design. Exploration of the elements of HTML and CSS along with basic time-
based media.
Corequisite: ARTC 3320. Prerequisites: ARTC 2303 and 2304.
3310 Illustrations. (3-3) Introduces media and illustration methods for basic image development. Prerequisites: ARTC 3301, 3303 and 3316.
3313 Imaging II. (3-3) This course uses advanced digital and traditional imaging as it applies to visual and verbal prob-
lem solving. The class emphasizes incorporating drawing, photography and appropriated images in order to reinforce and extend the possibilities of sourcing and manipulating imagery digitally. Prerequisites: ARTC 3301, 3303 and 3316.
3316 Communication Design History Seminar. (3-3) This course traces communication design history, through examples of social, political, cultural, technological and economic per-
spectives, from the end of the 19th century to the present. Students examine how past and current design practices, theory and aesthetics inform and shape the discipline of com-
munication design and contemporary society. Corequisites: This course is to be taken concurrently with ARTC 3301 and 3303. Prerequisites: ARTC 3307 and 3320.
3320 Typography II. (3-3) Introduces advanced issues in page structure and composition, content organization and man-
gagement, typographic hierarchies, typeface selection, and tyesetting. Corequisite: ARTC 3307. Prerequisites: ARTC 2303 and 2304.
4000 Senior Exit Review. (0-1) A course in which all graduating seniors participate during their last academic year.
Work will be examined and evaluated while displayed in the Exit Review. Corequisite: ARTC 4315. Prerequisites: ARTC 4308 and completion of 109 hours.
3402 Art Direction II. (3-3) Students develop strategic messages across print, digital, and social media and evaluate how con-
ceptual direction and message must shift to accommodate various media. Students strengthen their visual and verbal conceptual skills and elevate their research abilities to create dynamic advertising campaigns, and unify brand position with communication. Prerequisites: ARTC 3301, 3303 and 3316.
4303 Art Direction III. (3-3) This course allows students to create a body of project based on individual professional goals. Faculty provides 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: ARCT 4302.

4305 Typography III. (3-3) Continues the study of letter form, typography, image and concept relationships for effective communication. Prerequisites: ARCT 3301, 3303 and 3316.

4313 Communication Design Special Problems. (3-0) An advanced level, independent study course focusing on learning to render with specific illustration techniques, including traditional black and white line and tone styles, watercolor and acrylic painting, construction techniques and other materials such as collage, scratchboard and monoprint styles. Prerequisites: ARCT 3301, 3303 and 3316.

4314 Identity Design. (3-3) An advanced level, independent study course focusing on learning to render with specific illustration techniques, including traditional black and white line and tone styles, watercolor and acrylic painting, construction techniques and other materials such as collage, scratchboard and monoprint styles. Prerequisites: ARCT 3301, 3303 and 3316.

4316 Character Development for Illustration. (3-3) This course emphasizes basic skills of character/plot development and story teller action and backgrounding. Prerequisites: ARTC 3301, 3303 and 3316.

4314 Poster Design. (3-3) Exploration and experimental usage of the word as integrated with visual imagery by using digital and traditional photographic, illustration, and other graphic elements utilized in poster design. Prerequisites: ARCT 3301, 3303 and 3316.

4315 Senior Portfolio Presentation and Self-Promotion. (3-3) This capstone course focuses on preparations for entry into professional practice via production of a final portfolio presentation, creation of a resume, business card, and self-promotions, and preparation for the job interview process. This is completed concurrently with Exit Review during the final semester before graduation. Corequisites: ARCT 4000. Prerequisites: ARTC 3301, 3303 and 3316.

4316 Digital Illustration. (3-3) An illustration course using digital media to explore in a wide range of genres. Emphasis will be placed on developing unique approaches to digital art production. Course will focus on the use of computer software through digital means, as well as the creation of original digital illustration solutions. Prerequisites: ARCT 3301, 3303 and 3316.

4317 Facial Illustration. (3-3) The study of traditional and digital illustration techniques for editorial publication assignments. Prerequisites: ARCT 3301, 3303 and 3316.

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: ARCT 3301, 3303 and 3316.

4314 Special Topics in Communication Design. (3-3) A category of courses designed to meet special needs and address issues in communication design from traditional to non-traditional topics and contemporary issues.

431A Animation. (3-3) The study and practice of various animation techniques. Prerequisites: ARTC 3301, 3303 and 3316.

431B Special Topics in Communication Design. (3-3) This course introduces students to the business and legal issues relating to communication design. Prerequisites: ARTC 3301, 3303 and 3316.

431D Digital Video. (3-3) This course introduces students in digital video production and editing. Prerequisites: ARTC 3301, 3303 and 3316.

431E Motion Graphics. (3-3) This course introduces issues and applications in the production of motion graphics and special effects for digital video. Prerequisites: ARTC 3301, 3303 and 3316.

431F Character Development for Illustration. (3-3) This course emphasizes basic skills of character/plot development and story teller action and backgrounding. Prerequisites: ARTC 3301, 3303 and 3316.

431G Illustration Techniques and Materials. (3-3) 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, construction techniques and other materials such as collage, scratchboard and monoprint styles. Prerequisites: ARCT 3301, 3303 and 3316.

4314 Poster Design. (3-3) Exploration and experimental usage of the word as integrated with visual imagery by using digital and traditional photographic, illustration, and other graphic elements utilized in poster design. Prerequisites: ARCT 3301, 3303 and 3316.

4315 Senior Portfolio Presentation and Self-Promotion. (3-3) This capstone course focuses on preparations for entry into professional practice via production of a final portfolio presentation, creation of a resume, business card, and self-promotions, and preparation for the job interview process. This is completed concurrently with Exit Review during the final semester before graduation. Corequisites: ARCT 4000. Prerequisites: ARTC 3301, 3303 and 3316.

4316 Digital Illustration. (3-3) An illustration course using digital media to explore in a wide range of genres. Emphasis will be placed on developing unique approaches to digital art production. Course will focus on the use of computer software through digital means, as well as the creation of original digital illustration solutions. Prerequisites: ARCT 3301, 3303 and 3316.

4317 Facial Illustration. (3-3) The study of traditional and digital illustration techniques for editorial publication assignments. Prerequisites: ARCT 3301, 3303 and 3316.

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4314 Special Topics in Communication Design. (3-3) A category of courses designed to meet special needs and address issues in communication design from traditional to non-traditional topics and contemporary issues.

431A Animation. (3-3) The study and practice of various animation techniques. Prerequisites: ARTC 3301, 3303 and 3316.

431B Special Topics in Communication Design. (3-3) This course introduces students to the business and legal issues relating to communication design. Prerequisites: ARTC 3301, 3303 and 3316.
3312 Ceramics II. (3-3) Through pottery forms and/or clay
(ARTS 2366) Watercolor I. (3-3) An introduction to the
(ARTS 2326) Sculpture I. (3-3) An introduction to sculptur-
(ARTS 2333) Printmaking I. (3-3) This course introduces
(ARTS 2371) (ARTS 2366) Fibers I. (3-3) An introduction to fiber tech-
(ARTS 2381) (ARTS 2366) Foundations of Photography I. (3-3) This course introduces
(ARTS 2391) (ARTS 2366) Sculpture II. (3-3) Development of a personal aesthetic
direction in the metal medium focusing on the relationship between surface and form. Casting is introduced and the exploration of patination and surface color continues. Prerequisites: ARTS 2341, ARTS 1305 or ARTC 1302.
(ARTS 2334) Fibers IV. (3-3) The conceptual and technical aspects of fibers are developed through experimentation, research and evaluation. Prerequisites: ARTS 3333.
(ARTS 2371) Painting I. (3-3) An introduction to paint-
ing emphasizing the elements and principles of pictorial composition. Provides the foundation for critical aesthetic judgment while developing technical and creative skills. Prerequisites: ARTS 1301, 1302, and ARTS 1305 or ARTC 1302.
(ARTS 2356) Sculpture I. (3-3) An introduction to sculptur-
al materials and processes as a medium for creative expres-
sions. Provides the foundation for critical aesthetic judgment while developing technical and creative skills. Prerequisites: ARTS 1301, 1302, 1303, 1304, or ARTS 1305 or ARTC 1302.
(ARTS 2381) (ARTS 2366) Watercolor IV. (3-3) A variety of water-base media is used in
teaching the relationship between surface and form. Casting is introduced and the exploration of patination and surface color continues. Prerequisites: ARTS 2341, ARTS 1305 or ARTC 1302.
(ARTS 2352) (ARTS 2356) Painting IV. (3-3) The conceptual and technical aspects of painting are developed through experimentation, research and evaluation. Prerequisites: ARTS 3353.
(ARTS 2355) 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 who have completed the fundamentals of transparent watercolor painting as a medium for creative expression. Prerequisites: ARTS 1301, 1302, and ARTS 1305 or ARTC 1302.
(ARTS 2357) Ceramics III. (3-3) Through the potter’s forms and/or clay sculpture, students develop conceptual and expressive skills. Students formulate glazes and fine kilns. Prerequisites: ARTS 2311, ARTS 1305 or ARTC 1302.
(ARTS 2358) Ceramics III. (3-3) This course explores techniques and materials to develop conceptual and technical skills leading to individual expression in drawings. Prerequisites: ARTS 2321,ARTS 1301, and ARTS 1303.
(ARTS 2331) Ceramics II. (3-3) Continued development of per-
sional expression through a self-initiated series of works. Students investigate technically complex forming methods. Prerequisites: ARTS 2321, ARTS 2356, and ARTS 1303.
(ARTS 2332) Drawing II. (3-3) Experimentation with techniques and mate-
rals to develop perceptual and technical skills leading to individual expression in drawings. Prerequisites: ARTS 2321, ARTS 2356, and ARTS 1303.
(ARTS 2333) Drawing III. (3-3) Focuses on the development of a personal visual statement using the human form as subject matter. Interceptive skills are stressed and alternative approaches to generating visual imagery are explored. Prerequisite: ARTS 3322.
(ARTS 2334) Drawing IV. (3-3) Emphasizes perceptual and technical skills and criti-
cal analysis in the development of individual imagery and aesthetics in drawing. Consistent thematic drawings are required. Prerequisite: ARTS 3323.
(ARTS 2335) Ceramics I. (3-3) Development of visual and conceptual skills through traditional and experimen-
tal techniques. Prerequisites: ARTS 2331, ARTS 1305 or ARTC 1302.
(ARTS 2336) Fibers I. (3-3) An introduction to fiber tech-
niques as a means of individual expression and problem solving. Prerequisites: ARTS 1303, and ARTS 1305 or ARTC 1302.
(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: ARTS 1301, 1302, and ARTS 1305 or ARTC 1302.
(ARTS 2351) (ARTS 2326) Sculpture III. (3-3) Development of conceptual and expressive use of the human form as subject matter. Interpretive statement using the human form as subject matter. Interpretive Prerequisite: ARTS 2341, ARTS 1305 or ARTC 1302.
(ARTS 2352) Disegno a Firenze: Drawing in Florence. (3-0) Part of the summer program, this course draws from various subjects in and around the city of Florence. Through daily practice, students will address not only the funda-
mentals of monochromatic drawing but also the integrated perception that the act of drawing engages.
(ARTS 2360) 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 photographic approach to the arrangement and compo-
sition of virtually any subject matter. Both traditional and computer based techniques will be utilized. Prerequisite: ARTS 1301, 1302, 1304.
(ARTS 2362) Ceramics VII – Thesis II. (3-3) The second half of the Senior Thesis project. Outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4315.
(ARTS 2363) Ceramics VI – Thesis I. (3-3) The first 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 2362 with a minimum grade of B. Corequisite: ARTS 4000.
(ARTS 2364) Ceramics Special Problems. (3-3) An advanced level, inde-
pendent study in ceramics which requires students to pursue a personal project for credit under faculty direction. Prerequisites: ARTS 2362 with a minimum grade of B. Corequisite: ARTS 4000.
Metal 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 4396 with a minimum grade of B. Corequisite: ARTS 4000.

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. This course requires a written statement detailing the scope and objectives of the proposed thesis project following by a related body of artwork. Prerequisite: ARTS 4396.

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.

Special Problems in Art Theory and Practice (ARTT) 2371 Art Theory and Practice. (3-3) A survey and analysis of the theories and practices of art teaching. Topics include: philosophy; history and theory of art learning; educational development; learning theories; assessment tools; program development; presentations and current realities; trends and issues. (WI)

Art Theory and Practice. (3-3) Introduces the theories and practices of art teaching with a particular emphasis on children’s art learning for the non-major. (WI)

Art Theory and Practice for Children. (3-3) A survey and analysis of the theories and practices of teaching art to children. Topics include: art education, art programming, content, sequence, and assessment. Requires 10 clock hours of field experience in an elementary art learning setting. Prerequisite: ARTT 2371, (WI)

Art Theory and Practice for Adolescents. (3-3) The theories and practices of art teaching for middle and high school learning environments, artistic development, presentation methodologies, objectives, assessment, and other current topics. Requires 10 clock hours of field experience in a secondary school art setting. Prerequisites: ARTT 2371, Recommended co-requisite: ARTT 3374.

Learning and Digital Media. (3-3) The theories and practices of using digital and electronic tools in art as well as for the enhancement of the art learning process. Prerequisite: ARTT 2371, Recommended co-requisite: ARTT 3373.

Experimental Water Media. (3-0) Upper level elective for studio majors. Fills certification teaching watercolor require- ment. Students will experiment with water media, including watercolor, egg tempera, gouache, and mixed media on a vari- ety of surfaces, including yupo and gessoed paper. Students will develop skills for experimenting with and using these materials. (Multiple credits that add up to 3 hours for the course. Requires 10 clock hours of field experience in an elementary or secondary art setting. (WI)

Senior Art Education Exhibition. (0-0) A senior level course in which all graduating Art Education Seniors must participate during their last academic year. Work will be examined and produced leading to a showing in one of the Senior Student Exhibitions

Art Criticism, History, and Aesthetics. (3-3) A survey and in-depth analysis of the philosophies and structures of art criticism, art history, art education, as well as contemporary methodologies for analyzing, interpreting and judging works of art. Prerequisites: ARTT 2371, 3372, 3373, 3374 or 3376. (WI)

Special Problems in Art Theory and Practice. (3-3) Individualized study focusing on personal skill and knowl- edge development related to art learning experiences.
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 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, 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, 4324, 4338, 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) is required for application of at least 21 hours of communication studies courses 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 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 3902) they must take COMM 3236, 3345, 4300, 4320 and one 3-credit hour Communication Studies course. Students may wish to complete the following courses which provide a theoretical or conceptual approach to leadership.

Minor in Political Communication

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 minorin 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, 4322, 4324, 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, 4301, 4302, 4322, 4331, 4336, or 4345.
3. 3 hours from: 3308, 3309, 3311.
4. 3 hours from: 4313, 4314, 4315, 4326, 4327, 4338, 4340, 4341, 4345, 4350, 4351, 4357, 4358, 4359, or 4360.

A Second Teaching Field in Communication Studies requires 27 hours including: COMM 1300, 2350, 2338, 2336, 3345, 3400, 4030, 4320 and 3 hours of COMM electives.

Minor in Leadership Studies

A minor in Leadership Studies is interdisciplinary and requires 15 hours, including courses from the following departments: Communication Studies, Management, Agriculture, Philosophy, Aerospace Studies, Psychology, and Health Administration. The three required courses are COMM 2315, 4337, 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, 4337; PHIL 3322

Two Courses: 6 hours from COMM 3340, 2338, 3301, 3302, 3325; MGT 3533

Two Courses: 6 hours from COMM 3319, 4331, 4390; HA 2310, 3324; PSY 3331, 3333; MGT 3503; 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 Public Communication

A minor in Public 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.

Some students minor 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, 4322, 4324, 4324, 4323, 4331, or 4338.
Courses in Communication Studies (COMM)

3130 (SPCH 3131) Fundamentals of Human Communication. (3-0) This course examines the delivery 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 communication contexts: interpersonal communication, public relations communication, and organizational communication. It is mandatory to understand the role 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 communication differs across and within diverse cultures. Prerequisites: COMM 2315 or 2330 or 2338.

318R Diversity and Communication. (3-0) This course will examine various styles of formal and informal communication. It is intended to broaden 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 communication differs across and within diverse cultures. Prerequisites: COMM 2315 or 2330 or 2338.

318L Relational Communication. (3-0) A study of communication in human relationships.

318M Intercultural Communication in the Americas. (3-0) This course explores principles and practices of intercultural communication with specific applications to North and South America and European emphasis.

318N Communication Theory (3-0) This course examines the assumptions embedded in and influencing current and past communication theories. How communication theory “creates” or modifies cultural and social values. 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 assumptions. Prerequisites: COMM 2315 or 2330 or 2338. Full of prerequisites 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 students.

318Q 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.

325 Communication and Conflict Management. (3-0) Demonstrates the diversity of knowledge and skills needed 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.

326 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 or 2330. Full major or minor status.

328 Communication and Gender. (3-0) Investigates the interactional nature of communication and gender, the creation of gender identities, and the roles of gender and communication in a variety of settings. See ANTH 3350. Prerequisites: COMM 2315; Full major or minor status. (MC) [WI]

329 Interpersonal Communication. (3-0) Presents theory and application of interpersonal communication in 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)

330 Nonverbal Communication. (3-0) Introduces the conceptual foundations of nonverbal communication. Theoretical components and research literature 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 evidence, logic, persuasion, and refutation and their applications in formal and informal debate contexts. Students will do laboratory work with the University Forensics squad. Prerequisite: COMM 1310.

3347 Political Communication. (3-0) Explores major topics in political communication, including political negotiation, and interaction management in business and professional settings. Prerequisites: COMM 2315, 2330, or 2338.

4111 Practicum in Communication Studies. (0-1) On-the-job experience working with faculty to assist with the department mission 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.

4087 Media Criticism. (3-0) Explores the influence of media messages on social and historical events. Prerequisites: COMM 2315 or 2330; Full major or minor status.

311 American Speeches. (3-0) Analysis and evaluation of major American speeches and their influence on the history and culture of the United States from 1600 to the present. Prerequisites: COMM 2315 or 2330; Full major or minor status (MC).

3402 Rhetoric of Protest Movements. (3-0) Explores the persuasive strategies used by protest and political movements to promote social and political change. Focusses upon the application of critical perspectives in understanding diverse leadership styles, and rhetorical appeals characteristics of movements in American society. Prerequisites: COMM 2338; Full major or minor status. (MC)

3424 Organizational Rhetoric. (3-0) Guided by principles of rhetoric, studies the means of communication for use with internal and external audiences. Functions will include building identity; managing issues, pressures, and crisis; and influencing organizational culture. Students will use this knowledge to develop and analyze organizational messages. Prerequisite: COMM 2338.

3425 Communication and Technology. (3-0) A course designed to focus on research and theories about the relationships between technology and social communication. 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.

3426 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. Prerequisites: COMM 2315, 2330, or 2338.

3429 Communication Training and Human Resource Development. (3-0) Explores the principles of human resources training and skills of developing and presenting communication training programs. An emphasis is placed upon applications of communication skill development, communication theory, and intercultural communication research in organizational contexts. Prerequisites: COMM 2315, 2330, and 2338.

3431 Persuasion. (3-0) An investigation of rhetorical and behavioral theories of persuasion, the devising of persuasive campaigns, as well as the concepts and perspectives on 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.

3438 Advanced Public Speaking. (3-0) In-depth critical analysis of speeches and development of the delivery of presentation skills. Prerequisites: COMM 2338; Full major or minor status.

3440 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.

3447 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 2338; Full major or minor status.

3450 Communication Internship. (1-0) 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 organization; requires permission of instructor. Prerequisites: COMM 3339 or 4347 with a grade of B or better, and a full major or minor status. Students cannot gain more than three hours credit for COMM 4590.
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 ACE/MC accredited program that offers a curriculum that introduces students to the broad framework of mass communication, emphasizing what is common and fundamental to advertising, electronic media, journalism and public relations.

The mission of the School of Journalism and Mass Communication is to pursue excellence. Our programs strive to cultivate students’ 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 major 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 thirty 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 “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 2.5 on a 4.0 scale. A passing score on the school’s grammar, spelling and punctuation (GSP) test or a letter grade of C or higher in MC 1100B. When the GSP is taken as the final in MC 1100B, this test is not counted as a GSP attempt. Students will have three attempts total in any combination of MC 1100B-Grammar for Journalism (with a letter grade of C or higher) or the GSP test (passing score of 70) to gain admission to the program. 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 1307.
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. 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.

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/TV stations, cable 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 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 these skills in Bobcat PRmovements, 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

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Total Hours: 32
### Bachelor of Arts
#### Major in Mass Communication - Advertising
Minimum required: 120 semester hours

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#### Bachelor of Arts
#### Major in Mass Communication - Journalism
Minimum required: 120 semester hours

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#### Bachelor of Arts
#### Major in Mass Communication - Electronic Media
Minimum required: 120 semester hours

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#### Bachelor of Arts
#### Major in Mass Communication - Public Relations
Minimum required: 120 semester hours

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Minor in Mass Communication
A minor in Mass Communication requires 18 hours, including MC 1313, 1333, 3357, 4306, 4391, and 4392, or 4566. A passing score on the GSP test or a C or better in MC 1108B is required. The GSP must be passed to enroll in any course beyond MC 1301.

Minor in Journalism
A minor in Journalism requires 18 hours, including MC 1301, 1313, 3383, 3390, 4301, and MC 3322 or 4322 or 4566A-Z and a passing score on the GSP test or a C or better in MC 1108B.

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.
3101 (COM 1307) Introduction to Mass Communication. (3-0) A survey of the mass media and other areas of mass communication with an emphasis on the student with the field of communication and what it offers.
1313 (COM 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. Prerequisites: Full major status and typing skill (WT).
2111 Media Practicum. (0-4) Students perform supervised media work of at least 60 hours per 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. (WT)
3370 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.
3311 Video Production. (2-4) Basics of analog and digital video production. Emphasis on techniques used in producing newcasts, commercials, public service announcements, promotions. Lab requirements include a 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. (WT)

3321 Visual Communication. (3-0) This course studies the principles, theories, and language of visual communication, emphasizing the evaluation of visual media. It is designed to help you integrate words and pictures in mass communication and to gain a greater appreciation of our visual world.
321 News Writing and Reporting I. (2-2) Integrating writing and reporting skills to produce stories across media platforms, including print and online, with an emphasis on storytelling. The study of techniques for locating and assessing informers and the presentation of the information to multiple audiences, including fact verification, online research and the use of libraries. Prerequisites: Full major status, MC 1313. (WT)
3433 Introduction to Public Relations. (3-0) The introductory course to major forms of public relations. 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.
3555 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.
3620 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. Prerequisites: Full major status.
3567 Advertising. (3-0) A broad overview of advertising including history, role and responsibility, and impact of the digital revolution. The key topics include account and media planning, creative, sales promotion, public relations, campaigns, and the advertising agency.
3568 Copywriting. (3-0) Writing and producing advertising copy for print, broadcast and digital media. Emphasis on formative research, market consumer analysis and the creative process. Prerequisites: Full major status, MC 1313.
3572 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, buying and budgeting efficiencies. Prerequisites: Full major status, MC 1313, 3367.
3573 Broadcast Commercial and Promotion Writing. (2-2) Writing and producing radio scripts and television storyboards for commercial messages. Study will include media planning, research and testing, and regulations. Spot announcements will be produced for class. Prerequisites: Full major status, MC 1313, 3367. (WT)
3379 Managing and Producing Public Relations. (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, 3334 in the US.
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 media. Graded on a credit (CR), no-credit (F) basis.
3390 Media Design. (2-2) Study and application of advanced principles of media design including: basic design principles, typography, color, photography, video, and multimedia. Students will learn principles of flow and the use of new and new media. Prerequisites: Full major status.
3394 Management of Electronic Media. (3-0) The study of the management of electronic media, including sales, federal regulations and local regulations. Not repeatable twice. Graded on a credit (CR), no-credit (F) basis.
3410 Internship. (0-5) Requires a minimum of 100 hours of off-campus experience, written contract with internship coordinator and supervised by a member of the instructional staff. Students cannot gain more than three hours of credit for any combination of: MC 4310, 4230 and 4330. Prerequisites: 30 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 4310, 4230 and 4330. Prerequisites: 30 credit hours, full-major status, good academic standing and appropriate sequence coursework.
3413 Internship. (0-5) Completion of a one-year internship in a public relations position related to an internship approved by the internship coordinator. Prerequisites: Full major status.
4218 Media Ethics. (3-0) The study of freedom and responsibilities of the mass communication practitioners and institutions, explored in image-based sequences of the mass communication media. (MC)
4309 Visual Literacy. Film. (3-0) The course will teach how meaning is created in the world of visual images and how to develop a personal visual literacy and the capacity to make the images of the world become a part of an individual’s mental model. 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 media.
4310 International Communication. (3-0) A study of media systems worldwide in different socioeconomic contexts and an examination of patterns of international communication flow.
111C Independent Study. Advertising, Broadcasting, Print Journalism, Public Relations. (0-12) Students complete an academic project requiring the equivalent of 160 hours of work. Requires prior written contract with faculty member and approval of the college work. Not repeatable twice. Graded on a credit (CR), no-credit (F) basis.
112C 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. (Repeatable for credit).
311 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, newspaper, advertising copy, magazine articles and brochure copy. Prerequisites: Full major status, MC 1313, 3343, 3383. (WT)
312 Web Design Publishing. (2-2) Students will develop skills in web content creation, web design, image manipulation, animation, and audio and video editing. The course will cover the topics of design, content, and acceptance of web design. Students will become familiar with web design correlated with online publishing. Prerequisite: Full major status.
315 Special Topics in Advertising. (3-0) Intensive look at special advertising topics. Repeatable for credit with different content. Prerequisites: Full major status, MC 1313, 3313.
316 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.
317 Account Planning. (3-0) Hand-on introduction to applied advertising research and account planning. Primary, survey and qualitative research methods are designed, executed and presented by students for the purpose of integrating the consumer’s perspective into creative strategy. Prerequisites: Full major status, MC 1313, 3317.
318 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 of truth, freedom, responsibility and institutional constraints as applied to the media as information, persuasion and entertainment will be examined.
319 Latinos/Latinos and the Media. (3-0) The course focuses on demographics related to Latinos in the US and 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;
4320 Public Relations Campaigns. (3-0) Comprehensive study of effective strategies and tools of public relations. 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.

4336B Documentaries. (3-0) A course in reporting and producing news and feature stories about the latest research. Students will learn how to research, organize, write and design a portfolio of completed work. Students cannot gain more than credit for any combination of: MC 4330, 4330 and 4330. Prerequisites: 30 credit hours, full major status, good academic standing and appropriate sequence coursework.

4356I Visual Storytelling. (3-0) This course is an introduction to the visual arts and the role of the media in Latino politics. Emphasizes communication, storytelling for today’s converged newrooms. 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.

4357 Sports as News. (3-0) This course emphasizes the reporting, writing and production of content for both print and electronic media. Students will learn about the role of the commentator and the use of open records laws. Prerequisites: Full major status, MC 1313. MC 3343.

4363M Introduction to Research Methods. (3-0) Intensive look at special topics in reporting. Repeatable for credit with different emphasis. Prerequisites: Full major status, MC 1313, 2319.

436B Special Topics in Multimedia. (3-0) A course in reporting and production of comprehensive public affairs and feature stories for the electronic media. Prerequisite: MC 3312, (WT)

436E Special Topics in Writing. (3-0) Intensive look at special topics in public relations. Repeatable for credit with different emphasis. Prerequisites: Full major status, MC 1313.

436A 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.

436B 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.

4376C Visual Storytelling. (3-0) A lecture-discussion course, viewing news reports, graphics and social media assigned for the day. Prerequisites: Full major status, MC 1313.

4356 Visual Storytelling. (3-0) This course is an introduction to basic client. Prerequisites: Visual journalism storytelling for today’s converged newrooms. 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.

4356C Community Affairs. (2-2) A lecture-discussion course, viewing news reports, graphics and social media assigned for the day. Prerequisites: Full major status, MC 1313.

4356A Community Affairs. (2-2) A lecture-discussion course, viewing news reports, graphics and social media assigned for the day. Prerequisites: Full major status, MC 1313.

Music

Minor Offered

Music

School of Music

Music Building 101
T: 512.245.2751 F: 512.245.8381
Email: music@txstate.edu
www.music.txstate.edu

Mission Statement

The School of Music is committed to excellence in music teaching and learning. As public citizens, we are responsible for preparing our students to be leaders in the arts and culture. We, as educators, are committed to excellence in teaching and learning. As a public institution, we are dedicated to providing quality music programs and services to our students, faculty, staff, and the community.

Degre Programs Offered

BM, major in Music Studies (Bachelor’s Concentrations)
BM, major in Music Studies (Choral Concentration with All-Level Teacher Certification)
BM, major in Performance (Guitar Concentration)
BM, major in Performance (Instrumental Concentration)
BM, major in Performance (Keyboards Concentration)
BM, major in Performance (Jazz Concentration)
BM, major in Performance (Voice Concentration)
BS, major in Sound Recording Technology
BA, major in Music

Admission Requirements

Students wanting to enter the music program as a music major must submit an online application and audition the semester before their desired entrance. Students interested in Sound Recording Technology must complete an additional online 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 must submit a successful audition on their principal instrument or voice. Admission to the School will be based on 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 and met with an academic advisor.

Auditions are held periodically throughout the year for enrollment of 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. The deadline to submit a 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
Students seeking teacher certification must pass the theory proficiency examination no later than the semester before student teaching. All other music majors, with the exception of Bachelor of Science students, are required to attend a significant number of these events each semester, through enrollment in Departmental Recital. In addition, applied music instructors may require attendance at all recitals in the students individual performance area.

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 Upper Level Competency Review; (4) passed the piano and theory proficiency examinations; and (5) 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 ensemble each semester. The School of Music Student Handbook describes ensemble requirements for each degree program. Only one major and one secondary ensemble will be counted toward the student’s degree plan per semester. For those students who enroll and participate in the Bobcat marching band and receive a grade of “C” or higher, they will also be given credit for ONE of the Physical Fitness and Wellness (PFW) credits in the University’s Core Curriculum.

Specializations
The School of Music offers specializations in jazz and mariachi music. These specialties require courses beyond the basic degree. Requirements for these specialization programs are described on the School of Music’s website.

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 (Including all percussionists and students participating in percussion ensembles are subject to this fee.)
- Recital program, typing & printing—$10
- Recital recording—$15

NOTE: Students enrolled in private voice lessons or instrumentalists preparing for juries/recital performances are responsible for the cost of providing their own accompanist for lessons, rehearsals, and recitals.
### Bachelor of Music
Major in Music Studies (All-Level Teacher Certification)

**Choral Concentration**

**Minimum required: 122 semester hours**

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**Total:** 122 semester hours

### Bachelor of Music
Major in Performance

**Guitar Concentration**

**Minimum required: 123 semester hours**

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**Total:** 123 semester hours
Bachelor of Music  
Major in Performance  
Instrumental Concentration  
Minimum required: 123 semester hours

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Bachelor of Music  
Major in Performance  
Keyboard Concentration  
Minimum required: 123 semester hours

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Minimum required: 123 semester hours

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*Note: PFWs must be fulfilled through DAN 1160, 1161, 1170, 1171, 1180, 1181, 1190 and/or 1191, or PFW 1155B.E.

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*Note: PFWs must be fulfilled through DAN 1160, 1161, 1170, 1171, 1180, 1181, 1190 and/or 1191, or PFW 1155B.E.
# Bachelor of Science

**Major in Sound Recording Technology**

Minimum required: 122 semester hours

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# Bachelor of Arts

**Major in Music**

Minimum required: 123 semester hours

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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 applied lessons required for all music majors.

1112 Basic Musicianship (1-1) 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 (0-0) Introduction to creative computer applications in music. Including MIDI and sequencing, notation, internet communication, and digital audio. Prerequisite: Full major status.

1180 Recording Practicum I (0-2) Development of aural and practical skills necessary to produce high-quality recordings. May be repeated once with different emphasis for additional credit. Prerequisite: Full major status.

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 I. Prerequisite: MU 1180.

1210 (MUSI 1216) Aural Learning II (0-0) The course materials from Music Theory II 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) Review of music fundamentals. Emphasis on music reading. Prerequisite: MU 1112 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 applied lessons 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 Music Studies. Corequisite: MU 2203, 3135, or MUSI 2261. (WI)

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. Prerequisites: Full major status in Music Studies.


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. Prerequisite: Full major in Vocal Performance or Music Studies in Voice. (MC)

2153 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.

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 2180.  Corequisite: MU 2181.

2182 Recording Practicum IV (0-2) Development of aural skills associated with audio production and recording. Continuation of the junior level 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 materials from Music Theory III as applied through lessons in singing, playing, and music dictation. Prerequisite: MU 1212, 2213 with a grade of "C" or higher. Corequisite: MU 2261.

2261 (MUSI 2211) Music Theory III (3-0) Review of secondary function chords. Part-writing and analysis of modulations, chromatic chords and mode mixture. Composition and analysis of musical forms. Prerequisites: MU 2122, 1213 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) Review of functional techniques and analysis of secondary function chords and analysis of enharmonic modulations and ultra-chromaticism. Introduction to set theory, serialism and techniques of 20th and 21st century composition. Composition and analysis required for all instrumental combinations. Prerequisites: MU 2260, 2261 with a grade of "C" or higher or pass by exam. 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 1305) Guitar Class I (1-0) An introductory course prerequisite for the non-music major. This course is an introductory opportunity to study tuning, hand positions, chords, arrangement patterns, strumming and introductory music reading.

2311 (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 artistic 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/MC)

2355 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.

3000 Departmental Recital (0-0) Performance, attendance, and weekly observation of recitals. Corequisites: Concurrent enrollment with applied lessons and major applied lessons required for all music majors.

3050 Junior Recital (0-0) Preparation and performance of the junior recital for music performance majors. Corequisites: Concurrent enrollment with applied lessons and major applied lessons required for all Music Performance majors.

3147 Sight-reading Techniques I (3-0) An introduction to sight-reading techniques for high school and junior high singers, including choral music. Prerequisite: MU 2253.

3150 Performance Ensemble Techniques (3-0) A course designed for all music majors in their senior year to develop skills in ensemble management, administration, and rehearsal techniques. Prerequisites: Music Studies majors, MU 3070, MU 2263, MUSP 3145 or 3141. Corequisites: Concurrent enrollment with applied lessons.

3253 Performance Ensemble Techniques (3-0) A course designed for all music majors in their senior year to develop skills in ensemble management, administration, and rehearsal techniques. Prerequisites: Music Studies majors, MU 3070, MU 2263, MUSP 3145 or 3141. Corequisites: Concurrent enrollment with applied lessons.

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 marching bands and design possibilities for high school, high school and junior high, and motorcades.


3280 Conducting I (1-1) An introduction to artistic conducting principles for choral ensembles and includes discussions on repertoire selection/performance problems peculiar to all ensemble sizes. Assignments give students opportunity to develop leadership skills and an experience with choral music. Prerequisite: MU 3253.

3237 Performance Ensemble Techniques (3-0) A course designed for all music majors in their senior year to develop skills in ensemble management, administration, and rehearsal techniques. Prerequisites: Music Studies majors, MU 3070, MU 2263, MUSP 3145 or 3141. Corequisites: Concurrent enrollment with applied lessons.

3312 Instructional 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.

3278 Choral Conducting (2-1) An application of the principles of conducting choral music, including score reading and problems of interpretation. Some choral conducting experience will be included. Prerequisite: MU 3207.

3282 Jazz Improvisation II. (2-0) A continuation of MU 3333, with particular attention to developing skills in the use of scales and modes, and minor and major pentatonic scales), modal playing, and jazz nomenclature. Prerequisites: MU 3333 and concurrent enrollment in Jazz Combo.

3400Survey of Instrumental Performance Literature (3-0) This course offers an overview of the musical periods, styles, including music for beginning bands to works for college/professional ensembles. There are listing components, score study, and instrument application. Prerequisites: MU 3070, MU 3073, MUSP 3145 or 3141.

3404 Music 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 2305 or consent of instructor. Corequisites: Concurrent enrollment with Music History and Analysis of Music I (MU 3403).

3450 History of Vocal Music (3-0) A comprehensive approach to the history of singing and instrumental music. The course covers a period of 500 years, from the early polyphonic era to the present. Prerequisites: MU 3070, MU 3073, MUSP 3145 or 3141.

3500 History of Music (3-0) A comprehensive approach to the history of singing and instrumental music. The course covers a period of 500 years, from the early polyphonic era to the present. Prerequisites: MU 3070, MU 3073, MUSP 3145 or 3141.
1315 Vocal Ensemble. (0-9) The combined vocal ensembles perform advanced arrangements of contemporary popular music in various styles. May be repeated for credit.

1316 Jazz Ensemble. (0-9) The jazz based ensemble performs advanced arrangements of contemporary popular music. May be repeated for credit.

1317 Jazz Lab Band. (0-6) The jazz based ensemble performs contemporary popular music in various styles. May be repeated for credit.

1320 Wind Symphony. (0-9) 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.

1321 Men’s Choir. (0-6) The combined men’s choir performs a variety of literature, including matchworks from the 17th Century to the present. May be repeated for credit.

1340 Texas State Marching Band. (0-5) The combined band performs standard orchestra literature, as well as orchestrations of art songs and vocal music for chamber and orchestra. Required works may be repeated for credit.

1341 University Singers. (0-6) The combined choir performs a variety of choral literature, including matchworks from the 17th Century to the present. May be repeated for credit.

1342 University Wind Ensemble. (0-5) The combined wind ensemble performs contemporary popular music in various styles. May be repeated for credit.

1343 Wind Symphony. (0-9) 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.

1344 VocalLibre. (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.

1345 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.

1346 Opera Theatre. (0-9) Advanced level course designed for the mature vocal performer to analyze and study significant individual acting and character techniques through work in full productions of operas and other musical theatre literature. Prerequisite: MUSE 3160 Opera Workshop.

1347 Orquesta del Río. (0-6) Performing ensemble specializing in Latin and South American music. May be repeated for credit. (MC)

1350 Texas State Symphony Orchestra. (0-9) A full symphony orchestra that performs standard orchestra literature, as well as orchestrations of art songs and vocal music for chamber and orchestra. Required works may be repeated for credit. Prerequisite: Corequisites: Departmental Recital and major ensemble; Departmental Recital and major ensemble.

1351 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: MUSE 2381.

1352 Men’s Choir. (0-6) Performing ensemble specializing in performances of literature from the 17th Century to the present. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and major ensemble; Departmental Recital and major ensemble.

1353 Wind Symphony. (0-9) Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, whether a variety of orchestral literature for full major ensembles or lab ensembles for conducting students. May be repeated for credit.

1354 Women’s Choir. (0-6) Performing ensemble specializing in choral literature for women’s voices. May be repeated for credit.

1355 Women’s Choir. (0-6) Performing ensemble specializing in choral literature for women’s voices. May be repeated for credit.

1356 Chamber Orchestra. (0-9) Auditioned orchestra designed to improve students’ understanding of orchestral literature. May be repeated for credit. Prerequisite: Corequisite: MUSP 1130, 1230, 2130, 2230, 3130, 4230, 4330

1357 Piano Techniques III. (1-2) Advanced level course to develop piano technique and musical style through sight-reading, scales, chords, harmonization, and improvisation. Prerequisite: MUSE 1136.

1358 Piano Techniques IV. (1-2) Advanced level course to develop piano technique and musical style through sight-reading, scales, chords, harmonization, and improvisation. Prerequisite: MUSE 1137.

1359 Introduction to Composition. (1-0) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual choral development. May be repeated for credit. Prerequisites: Concurrent enrollment in major ensemble (MUSE) and permission from instructor.

1360 Applied String 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. Prerequisites: Concurrent enrollment in major ensemble (MUSE) and permission from instructor.

1361 Jazz Ensemble. (0-9) The combined jazz based ensemble performs contemporary popular music. May be repeated for credit.

1362 Jazz Lab Band. (0-6) The jazz based ensemble performs contemporary popular music in various styles. May be repeated for credit.

1363 Piano Techniques II. (1-2) Advanced level course to develop piano technique and musical style through sight-reading, scales, chords, harmonization, and improvisation. Prerequisite: MUSE 1135.

1364 Piano Techniques I. (1-2) Introductory course to develop piano technique and musical style through sight-reading, scales, chords, harmonization, and improvisation. Prerequisite: MUSP 1134.

1365 Piano Techniques I. (1-2) Introductory course to develop piano technique and musical style through sight-reading, scales, chords, harmonization, and improvisation. Prerequisite: MUSP 1135.
Department of Theatre and Dance

Theatre Center 101
T: 512.245.2147 F: 512.245.8440
www.theatredanddance.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 (Teacher Certification)
BFA, major in Musical Theatre
BFA, major in Dance (Emphasis in Performance and Choreography)
BFA, major in Dance (Emphasis in Dance Studies)
BFA, major in Dance (Single Field Teacher Certification)
BFA, major in Dance (Two Field Teacher Certification)

Minors Offered

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 actors, directors, 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 to withdraw from the program.
### Bachelor of Fine Arts

**Major in Theatre**

(Acting Pre-Professional Emphasis)

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.

#### Minimum required: 128 semester hours

**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.

#### Minimum required: 128 semester hours

**Bachelor of Fine Arts Major in Theatre (All-Level Teacher Certification)**

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.

#### Minimum required: 128 semester hours

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**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 1312, 1314, MUSP 1121.
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.

### University Core

<table>
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### Bachelor of Fine Arts
Major in Dance  
(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 FW 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Freshman Year</th>
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### Bachelor of Fine Arts
Major in Dance  
(Emphasis in Performance and Choreography)  
(Minimum required: 120 semester hours)

**General Requirements:**
1. Consult an academic advisor to help you choose an additional teaching field.
2. A second teaching field is required.

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<th>Course</th>
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<th>Junior Year</th>
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Minor in Theatre

A minor in Theatre requires 18 hours, including TH 1588 or 1546 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 the pedagogical and cultural aspects of dance, including an understanding of the biomechanical basis of each pattern. The importance of dance as a performing art will be stressed. Prerequisite: DAN 1180 or the equivalent.

1146 Intermediate Modern Dance. (0-3.5) Intermediate modern dance instruction stressing isolations, stretches, and dance combinations. Combinations are designed to challenge and enhance the students’ knowledge of the technical aspects of dance and performance skills. Students are expected to learn and perform combinations with skill and artistry, demonstrating a working knowledge of biomechanics and performance technique. Application of these principles is emphasized. Prerequisite: DAN 1190 or equivalent.

1201 (DANC 1201) Dance Composition I. (1-3) Basic principles of dance composition, solo choreography, in applied situations. Emphasis on developing a working knowledge of the biomechanical basis of each pattern. The importance of dance as a performing art will be stressed. Prerequisite: DAN 190 or the equivalent.

1145 Intermediate Modern Dance. (0-3.5) Intermediate level modern contemporary dance instruction stressing isolations, stretches, and dance combinations. Combinations are designed to challenge and enhance the students’ knowledge of the technical aspects of dance and performance skills. Students are expected to learn and perform combinations with skill and artistry, demonstrating a working knowledge of biomechanics and performance technique. Application of these principles is emphasized. Prerequisite: DAN 1190 or equivalent.

1181 (DANC 1181) Beginning Jazz. (0-2) Beginning levels of jazz dance as a performing art form. This course is also offered as PW 1180.

1110 (DANC 1110) Beginning Ballet. (0-2) Introduction to the basic techniques and principles of ballet. Basic barre exercises and basic concepts and principles of the ballet technique will be taught and practiced for mastery, singly and in combination. Students are expected to gain an understanding of ballet as a performing art form as historical as well as practical experience. 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 PW 1110.

1141 (DANC 1141) Beginning Ballet. (0-2) Introduction to the basic techniques and principles of the classical ballet. Basic barre exercises and basic concepts and principles of the ballet technique will be taught and practiced for mastery, singly and in combination. Students are expected to gain an understanding of ballet as a performing art form as historical as well as practical experience. 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 PW 1141.

1145 (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 PW 1140.

2161 (DANC 2161) Intermediate Jazz. (0-3.5) Intermediate level jazz dance techniques include complex weight shifts, syncopations, coordination, 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. Prerequisite: DAN 1160 or equivalent.

2181 (DANC 2181) Intermediate Ballet. (0-3.5) Intermediate level ballet barre, center, and transitional level of the classical ballet will be introduced and practiced for mastery. Emphasis will be on quick mastery of simple to complex combinations and an understanding of the biomechanical basis of each pattern. The importance of dance as a performance art will be stressed. Prerequisite: DAN 1180 or the equivalent.

3171 Musical Theatre Dance I. (0-3) This course involves the study of dance as an applied technical theatre performance tool. It explores some of the styles that make up musical theatre including character dancing, the Charleston, and various ballroom dances. Prerequisite: DAN 2181.

3172 Musical Theatre Dance II. (0-3) This course involves the study of dance, movement, and staging for musical theatre and culminates in student choreographed/staged works from a variety of musical theatre productions. It includes study of character dancing, social dances, and musical theatre dance combinations. Some of the styles that make up musical theatre including character dancing, the Charleston, and various ballroom dances. Prerequisite: DAN 3171.

3181 (DANC 3181) Advanced Ballet. (0-3.5) Advanced level ballet will be introduced and practiced for mastery. Increasingly complex combinations and repertoire 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 complex and complex sequences will be important. Performing techniques will be emphasized. May be repeated once for credit. Prerequisite: DAN 2181.

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 working knowledge of biomechanics and performance technique. 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. Repeetable for credit with departmental permission. Prerequisite: DAN 2191 or equivalent.

3210 (DANC 3210) Contact Improvisation. (1-3) Improvisational movement techniques that explore weight-sharing, non-verbal communication, sensory awareness, risk-taking, and physical presence from an improvisational, Free style. 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.

3131 (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 each of the artistic modes of expression through the visual and performing arts. This course may not be repeated for credit by taking ART 2513; MU 2313; or TH 2313. (MC/MP)

2365 Creative Movement for Teachers. (1-3) Emphasis on rhythmical movement exploration and using creative movement 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. Pre-requisite: DAN 1190. 3151 Musical Theatre Tap I. (0-3) This class covers the basics of tap technique. Students learn coordination, rhythmic variations, and performance skills through a series of tap combinations. Prerequisite: DAN 2181.

2352 Musical Theatre Tap II. (0-3) This class expands on skills covered in Musical Theatre Tap I. Basic steps are perfected and more difficult steps and combinations are learned. Longer sequences set to musical theatre music are mastered, and attention is given to ensemble work, rhythmic variations, and performance skills. Prerequisite: DAN 2181.

3171 Musical Theatre Dance I. (0-3) This course involves the study of dance as an applied technical theatre performance tool. It explores some of the styles that make up musical theatre including character dancing, the Charleston, and various ballroom dances. Prerequisite: DAN 2181.

3172 Musical Theatre Dance II. (0-3) This course involves the study of dance, movement, and staging for musical theatre and culminates in student choreographed/staged works from a variety of musical theatre productions. It includes study of character dancing, social dances, and musical theatre dance combinations. Some of the styles that make up musical theatre including character dancing, the Charleston, and various ballroom dances. Prerequisite: DAN 3171.

3181 (DANC 3181) Advanced Ballet. (0-3.5) Advanced level ballet will be introduced and practiced for mastery. Increasingly complex combinations and repertoire 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. Prerequisite: DAN 2181.

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 working knowledge of biomechanics and performance technique. 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 departmental permission. Prerequisite: DAN 2191 or equivalent.

3313 Introduction to Fine Arts. (3.0) This course is designed to give the student a critical understanding and appreciation of the creative processes and expression of each of the artistic disciplines of theatre, dance, music, and visual arts.

3350 Dance Curriculum Development. (3-1) Course builds on a requisite knowledge of basic educational theory and lesson planning. Emphasis on Off-Board, planning and a successful Dance Curriculum. Practical and effective strategies for teaching middle school and high school Dance will be examined. Prerequisites: DAN 1170, 1180, and 1190 (WI).

3351 Dance Concert Production. (3-0) Develop skills required to plan and execute dance concerts in standard educational settings. Prerequisite: DAN 3292 or equivalent.

4171 Musical Theatre Dance III: Pre 1970s Choreography. (0-3) This course provides an examination of the history and development of dance as a musical theatre style including in-depth study of significant works of choreographers before 1970, from Agnes DeMille to Jerome Robbins. Prerequisite: DAN 2181 or 2191. (MC/MP)

4172 Musical Theatre Dance IV: Post 1970s Choreography. (0-3) This course provides an examination of the history and development of dance as a musical theatre style including in-depth study of significant works of choreographers after 1970, including Bob Fosse, Michael Bennett, Anne Reinking, and Susan Stroman. Prerequisite: DAN 4171.

4292 Advanced Principles. (2-0) Students analyze and produce advanced principles based in dance technique, and somatic approaches to dance training. Students develop a high level of conceptual mastery and physical skill for their teaching and performing preparation. May be repeated once for credit. Prerequisite: DAN 4172.

4300 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 of dance training and creating corrective processes, and injury prevention and rehabilitation.

4350 Dance Team Directing. (3-0) Develop skills required to direct a performing dance team. Topics include choreography, administrative organization, public relations and community relations.

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and practices in dance. Prerequisite: upper division standing.

4354B Chorographic Influences in Dance (3-0)

4350 Historical Concepts and Practices. (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 the Western and non-Western traditions.

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 projects may be taken; 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 examine dance form, choreography, 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. Prerequisite: Consent of instructor. (WI)

4358 (DRAM 1350) 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.

4359 (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.

4365 (DRAM 1352) Intermediate Acting. (2-1) Classroom exercises designed to continue the exploration of the actor’s inner resources. Additional work is directed toward developing the actor, using movement techniques in class performances and further research into the techniques of Alexander, Feldenkrais, and Laban. Prerequisite: TH 1358.

4358 (DRAM 1350) Stagecraft. (3-2) 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)

3200 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 literature theatre are studied. (WI)

3201 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 literature theatre are studied. (WI)

3313 Introduction to Fine Arts. (3-0) This course is designed to give the student a fundamental understanding of the creation and appreciation of various modes of expression through the visual and performing arts. This course may not be repeated for credit by taking AR 2313, DAN 2313, or MU 2313.

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 literature theatre 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 literature theatre are studied. (WI)

3322 History of Musical Theatre. (3-0) A study of 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 antecedents, including operetta, operatic, comic, and light operatic styles. Prerequisite: Consent of instructor.

3330 Advanced Stagecraft. (3-0) This course covers the facilities, tools, equipment, and techniques used in building scenery, properties, and systems for producing a play. It includes a field trip and laboratory experience in the theatre and in the theatre industry. Prerequisites: Consent of instructor. (WI)

3342 Television/Film Performance. (3-2) A practical laboratory course in television and film performance techniques, including procedures and requirements for professional employment. May be repeated for credit.

3346B Chorographic Influences in Dance (3-0)

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.

3358 Screenwriting. (3-0) This course offers a comprehensive study of the art and craft of writing screenplays. During a semester of intensive activities, (1) the script analyzation, and critique, writers complete assignments in storytelling, character, structure, and script development. Each writer completes a full-length screenplay as the capstone project (with a due date of May 15).

3359 Advanced Screenwriting (3-0) This course focuses on the development of full-length screenplays. May be repeated with credit for different emphasis. Prerequisite: TH 3358.

3400 Beg/Intermediate Theatre. (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.

3406 Acting Realism. (3-2) A studio course emphasizing the theories and methods of Stanislavsky in order to create characters in modern drama. Prerequisites: TH 2203, consent of instructor.

3405 Acting Styles. (3-2) Studio course emphasizing historical as well as contemporary theories of acting; includes the presentation of individual acting projects. Prerequisite: TH 2254 or permission of instructor.

3407 Theory and Analysis. (3-0) A study of dramatic theory and play analysis for production, including the study of forms, styles, and methods. (WI)

3408 Creative Writing: 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.

3408 Pro-Fro-American Apprenticeship I. (2-4) Intensive work in one of the following career paths: Acting, design, and theatre technologies and production. Students will also complete a thesis booklet. Pre-requisite: Must be a Senior standing and have completed DAN 2208, 2209, 3292, 3212, and 3370.

Courses in Theatre (TH)

1210 Introduction to Musical Theatre. (2-0) This course focuses on foundations for training in a professional career in musical theatre, with particular emphasis on interview and audition skills.

1211 Introduction to Musical Theatre II. (2-0) This class continues the foundational work established in TH 1210 Introduction to Musical Theatre. It further develops the interview and audition skills necessary for professional career in musical theatre. Prerequisite: TH 1210.

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 tools used during practice sessions to develop more acceptable patterns of voice and sound.

1345 Beginning Voice. (3-0) This course teaches basic principles of vocal production, production anatomy, including vocal variety and instinctual choice. It emphasizes proper vocal support, range, flexibility and health.

1530 Introductory to Theatre Design. (3-0) Course introduces the freshman theatre major to the four primary areas of theatrical design: costume design, scenic design, sound design. (MC/MP)
4324 Shakespeare: Text and Context. (3-0) This intensive study abroad program immerses students in the language and culture of Shakespeare and related performing arts organizations. Prerequisites: English Majors only. 

4345 Costume Design. (3-2) A study of the principles and elements of costume design. Includes research as well as advanced drawing and rendering techniques. Repeatable for credit with different emphasis.

4365 Directing II. (3-2) A study of directing different dramatic forms. Prerequisite: TH 4364. (WI)

4375 Advanced Playwriting. (3-0) This course focuses on an in-depth examination of narrative filmmaking that includes screenplay analysis, storyboarding, scheduling, shot developmental analysis, character staging, camera placement, filming on location, and editing. Prerequisite: TH 4363.

4376 Advanced Lighting Design. (3-0) This course focuses on advanced principles of light design and lighting aesthetics. It covers the variable elements one encounters during the development of a production and how they are executed on stage. Prerequisite: TH 4358.

4378 Play Development Lab. (3-0) This course provides a laboratory workshop development process for new plays. It provides a structured environment for rigorously revising student-written works. Prerequisite: TH 4375 or instructor approval.

4391 BFA Pre-Professional Apprentice II. (3-2) Intensive laboratory work in individual and group theatre methods for the actor, designer, or technician. 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 Apprentice 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 Apprentice 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.

4395 Advanced Scene Study. (3-1) This course is a capstone acting course for B.F.A. Acting and Musical Theatre students. It involves both advanced scene study work as well as preparation for professional auditions and showcases.

4399 Professional Internship. (0-0) This course provides professional hands-on experience in the theatre for students who are interested in gaining experience in all aspects of theatre administration or in community theatre. Prerequisite: Consent of instructor.
The College of Health Professions promotes 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, health services research, and physical therapy. The college has a number of cooperating teaching sites and more than 800 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.

Clinical Laboratory Science Program

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 for the Medical Laboratory Scientist (MLS) given by the Board of Certification of the American Society for Clinical Pathology (ASCP).

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.

Degree Program Offered
BSCLS, major in Clinical Laboratory Science

The requirements for 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 for the Medical Laboratory Scientist (MLS) given by the Board of Certification of the American Society for Clinical Pathology (ASCP).

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 30.

Program Progression
Successful program progression requires students to complete each semester in a lock-step sequence with a grade of “C” or higher in all major courses. According to CLS program policy, students with a grade of less than a “C” in a CLS course will be stepped out of the program and individuals must reapply to the program the following semester. To be considered for program readmission, all original program admission criteria and an approved schedule for retaking courses must be met.

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.

Bachelor of Science in Clinical Laboratory Science
Major in Clinical Laboratory Science
Minimum required: 137 semester hours

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Courses in Clinical Laboratory Science (CLS)

3305 Introduction to Clinical Laboratory Techniques. (2-3) Clinical laboratory students will be introduced to techniques, procedures, and instrumentation commonly used in clinical laboratories.

3323 Medical Microscopy and Analysis of Body Fluids. (2-3) Study of body fluids pertinent to 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.


3421 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.

3422 Laboratory Management and Supervision. (2-0) Lectures and discussions of general principles of management and supervision of the clinical laboratory and its personnel. (WT)

3427 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. (WT)

3432 Clinical Immunology. (3-3) Basic 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.

3435 Laboratory Management and Supervision. (2-0) Lectures and discussions of general principles of management and supervision of the clinical laboratory and its personnel. (WT)

3450 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. (WT)

3470 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.

3480 Clinical Gerontology I. (3-4) A 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.

3481 Immunopathology. (3-4) A study of clinical 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.

4460 Immunohematology. (3-4) Study of the theoretical and practical aspects of clinical hematology and hemostasis with emphasis on principles, methodology, problems encountered, and clinical applications.

4510 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.

4522 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. (WT)

4526 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.

4530 Clinical Microbiology II. (3-3) 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.

4541 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.

4560 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.

4571 Bioterrorism, A Clinical and Laboratory Perspective. (3-0) Course examines the biologic, diagnostic, and public health responses to bioterrorism. Emphasis is placed on diagnostics for bioterrorism and the role of the clinical laboratory.

4572 Bioterrorism, A Public Health Perspective. (2-0) Emphasis is placed upon the immediate and long-term public health issues involved with bioterrorism from the perspective of the public health practitioner.

4573 Medical Micrology. (2-3) A study of the bacterial and mycobacterial diseases that can affect the skin, mucous membranes, and underlying tissues. Emphasis is placed on the identification and diagnosis of skin and other bacterial infections with emphasis on wound infections. Special emphasis will be placed upon the diagnosis and management of bacterial infections in the compromised host.

4574 Laboratory Safety and Communication. (1-2) Special emphasis will be placed upon safety in the clinical laboratory.

4575 Advanced Clinical Laboratory Science. (2-3) An advanced laboratory course designed to meet the needs of advanced students preparing for career positions in clinical laboratory science.

4576 Clinical Laboratory Science students will be introduced to the principles, methodologies, and practical aspects of critical thinking and independent research covering the principles of research and development of clinical laboratory methodology. (WT)

4577 The Molecular Basis 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.

4578 Advanced Clinical Laboratory Science. (2-3) An advanced laboratory course designed to meet the needs of advanced students preparing for career positions in clinical laboratory science.

4579 Independent Research. (1-4) Students are assigned on an individual basis for observation, study and practical application of techniques and methodology in the clinical laboratory.

4580 Clinical Practice. (1-8) Selected diseases may include historically known agents such as influenza, HIV, and tuberculosis; as well as Ebola, West Nile Virus, SARS, and anthrax. Previous Microbiology course is recommended. (MC)

4582 Obstetrics. (3-0) This course is designed for women 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.

4583 Clinical Laboratory Science students will be introduced to the principles, methodologies, and practical aspects of critical thinking and independent research covering the principles of research and development of clinical laboratory methodology. (WT)
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. (MC)

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.


3462 Remediation of Articulatory and Phonological Disorders. (3-2) This course stresses the importance of articulation and phonological disorders. Current therapeutic models are emphasized. Prerequisites: CDIS 3325 and 3459.

4011 Advanced Independent Study. (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 only and with prior departmental permission.

4171 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 and 4330. (WT)

4380 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.

4410 Augmentative Communication Systems. (3-0) Designed to review methods of non-verbal communication as applied to hospital, rehabilitation, and school settings. Use of electronic communication systems emphasized. Prerequisites or co-requisites: CDIS 4330.

4444 Clinical Practicum in Communication Disorders. (1-4) Supervised clinical practice in speech-language pathology. Must be taken each semester student participates in any supervised clinical practice 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 planning, 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.

3462 Remediation of Articulatory and Phonological Disorders. 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 experiment design 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 infancy, 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. Prerequisites: CDIS 4330.

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
Senior Year
Junior Year
Course
Hr
Course
Hr
Course
Hr
Course
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COMM 1310
3
BIO 2420
4
ENG 3303
3
HUM 1301
3
COMM 1331 or 1310
3
ART, DAN, MU, or 1H 2313
3
PHIL 1305 or 1320
3
ENG 3325, 3459
3
ENG 3325, 3459
3
ENG 3325, 3459
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ENG 3325, 3459
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HIST 1310
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PSY 3200
3
PHYS 1110, 1310
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ENG 3325
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ECON 2321, 2321, 2330, 2340, 2359, or 2360
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HIM 2360
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HPS 1300
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ENG 3325
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HPS 1320
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PHIL 1325
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PHIL 1320 or 1321
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Physics 1110, 1310
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PSY 3120
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HP 3302
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PWS 3100
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PWS 3100
3
PH 3301
3
PWS 3230
3
PWS 3230
3
Total
33
Total
28
Total
29
Total
31
Graduation
To graduate with a BHA degree, a student must:
• Complete all required courses.
• Have a grade of "C" or better in each HA course.
• Have a 2.00 Texas State GPA or better and 2.25 HA GPA or better.
• Have met University residence requirements.
• Pass an EXIT exam administered in HA 4411.

Liability Insurance
• Students who participate in the field placement portion of the Healthcare Administration program are required to purchase liability insurance or demonstrate proof they are insured.
• 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.

Pre-Healthcare Administration majors meeting the following criteria will be admitted to the BHA Program:
• Successful completion of all general education core and support courses and a "C" or better in the following courses:
  - MATH 1315 or an equivalent, ECO 2301 or 2314, HP 3325 or an equivalent, and HA 3308.
  - Texas State GPA of 2.75 or higher.
• Submission of an application to the BHA Program
• Submission of an acceptable statement of purpose
• Completion of the GSP (grammer, spelling, and punctuation) test with a passing score (70% or higher). Applicants are allowed to take the GSP a maximum of three times.

Progress and Repeat Course Policy
BHA majors are required to take courses in a prescribed sequence and are required to successfully complete with a grade of "C" or better.
• All 3000-level courses before enrolling in any 4000-level courses.
• All 4000-level courses before enrolling in field placement.
• BHA majors are required to pass an EXIT exam administered in HA 4411 before enrolling in field placement.

Recruitment
• 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 (HMOs), 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 and schedule an interview with the BHA Director.
Courses in Healthcare Administration (HA)

Minor in Healthcare Administration

The Healthcare Administration minor is designed to complement the student’s major with the objective of introducing an interdisciplinary 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 3375, preparing students for graduate study. The minor requires 18 hours including a 9-hour core of required courses, HA 3308, 3324, and 3375, preparing students for graduate study.

The Healthcare Administration minor is designed to complement the student’s major with the objective of introducing an interdisciplinary 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 3375, preparing students for graduate study.

Minor in Healthcare Administration

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.

Freshmen Year

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Total Required Hours:
32

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 resources 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.

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, and methods and management decision making.

3344 Patient Care Management & Quality Improvement in Health Care Integrated Delivery Systems. (3-0) This course is an introduction of integrated delivery systems and their operations. It includes an examination of patient care management and the patient experience. A framework for understanding healthcare quality efforts is also an integral part of the course.

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 and 2314 or HP 3325 or equivalent.

3376 Principles of Healthcare Management. (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. 3412 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 for credit with a different emphasis. Prerequisite: HA 3325.

3414 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. Prerequisites: ECO 2301, HA 3375 or approval of department chair.

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.

3411 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 construction and measurement of costs, budgeting practices, and the generation of financial information to aid in supervisory and managerial decision making. Prerequisite: HA 3375.

4315 Health Services Problems 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. Prerequisite: HA 3329.

4325 Healthcare Strategic Management. (3-0) This capstone course 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.

440 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.

444 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.

448 Healthcare Administrative Residency. (0-40) Designed for students who have completed previous background in healthcare management/administration. Includes rotation through selected major departments, culminating in a major project. Prerequisite: Final semester of study.
The Health Information Management major 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
Any student at Texas State University may declare Pre-Health Information Management as their major. To declare Pre-HIM as a major, contact the Department of Health Information Management to schedule an interview with the Department Chair. It is strongly recommended that students present themselves for academic advising with a HIM program advisor as soon as health information management has been selected as a major.

Admission Process for acceptance to the professional phase of the program to begin the 3000 and 4000 level coursework, 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 deadlines). 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.

Advanced placement in the major coursework due to previous health information or related coursework and/or work experience will be reviewed by each student's credits and transcripts. 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.

Progression
BSHM courses are to be taken in a published sequence. The HIM courses are offered in a lock-step sequence. Most courses are offered only once each academic year; therefore, progress in the program may be delayed if a student falls out of sequence due to failure to successfully complete the HIM courses with the required "C" or higher. 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 for consideration to be allowed to continue in the program.

Graduation
To graduate with a Bachelor of Science in Health Information Management, students must successfully complete all HIM courses with a "C" or higher. Graduating students must have attained a 2.0 or higher Texas State University GPA with a minimum of 2.25 GPA in the HIM major courses.

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 student 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 degree 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 HIM Department.

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 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/department/school.

Bachelor of Science in Health Information Management
Major in Health Information Management
Minimum required: 123-124 semester hours

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Minor in Health Information Management

A minor in Health Information Management requires 22 hours, including 13 hours in core courses in the Health Information Management (HIM) sequence, 3 hours in intermediate courses, and 6 hours in upper division courses in HIM. The prerequisite GPA of 2.50 or higher and a science GPA of 3.00 or higher is required for admission to the Health Information Management minor.

Courses in Health Information Management (HIM)

2345 The Language of Healthcare: Spanish. (3:0) An introduction to the practical language used in clinical settings to facilitate communication 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 understanding of the 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. (3:0) 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 of 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 laws 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 current treatment of disease.

3368 Disease and Medical Science II. (3:0) A continuation of Disease and Medical Science I.

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 involving managing HIM personnel 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.

3391 Introduction and Technical Aspects of 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 offered by the American Health Information Management Association. Academic advise ment is important prior to enrolling in HIM minor courses due to sequencing requirements.

3392 Disease and Medical Science II. (3:0) A continuation of Principles of Health Information Management. (2:4) An introduction into principles and procedures used in health records maintenance, patient records, and record keeping. Emphasis is placed on functions and duties of the HIM administrator, and relationships of the medical record to the health care delivery system.

3364 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 in independent research 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.

4311 Health Information Management Research and Data Analysis. (3:0) An introduction to research methods and experimental inquiry to acquaint the student with the critique and conduct studies in the health information management domain. The course will provide the foundation for compiling, analyzing, and displaying statistics and using the EHR system.

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 independent nursing care, psychiatric care, rehabilitation and prison record keeping systems.

4364 Classification, Nomenclature and Reimbursement. (2:2) Continuation of study of ICD-9-CM, CPT 4 and other classification and nomenclature systems. The relationship with inpatient and ambulatory care reimbursement systems is also explored.

4365 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. Option for health information associate degree and post-baccalaureate students. (WI)

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, entrepreneurship, leadership, motivation, consensus building, workforce diversity, change management, work redesign/reengineering, and project management. (WI)

4410 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.

5010 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)

5011 Professional Practice Seminar. (1:0) A seminar designed to assimilate actual internship and practicum experiences. May be repeated with permission of the faculty.

5395 Health Information Management Practicum. (0-8) Assignments made to promote uniqueness and competence levels required of entry-level health information management professionals with practical application of administrative, management, and problem-solving skills required to complete process and portfolio material. (WI)

5388 Practicum. (0-8) Faculty-led administrative training for the associate degree health information progression student. Emphasis is placed on analysis of HIM personnel functions, interdepartmental relations, use of health information technology, and committee assignments. Full-time participation of the student is required.

4389 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. Option for health information associate degree and post-baccalaureate students. (WI)

5389 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. Option for health information associate degree and post-baccalaureate students. (WI)

5390 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, entrepreneurship, leadership, motivation, consensus building, workforce diversity, change management, work redesign/reengineering, and project management. (WI)

4410 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.

5010 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)

Admission Process

The application period begins October 1st and closes the 2nd Friday in January. Applicants are required to provide evidence of prior nursing coursework and demonstrate the ability to compete in the application process. Applicants must have a prerequisite GPA of 2.50 or higher and a science GPA of 3.00 or higher. Science courses require a minimum grade of ‘C’ or higher for admission. Applicants may only repeat two of the following courses once: anatomy and physiology I and II, and microbiology. These courses should not have been taken more than 5 years prior to application. An overall 3.0 GPA is recommended in order to be competitive in the application process. Students may only have a maximum of 18 remaining prerequisite credit hours, with only 9 of these credit hours in prerequisite science courses. Remaining courses may be taken in spring and summer semesters.
Students must be admitted to Texas State University prior to submitting the School of Nursing application. An application fee and copies of all college transcripts are to accompany the School of Nursing application. Additional criteria include a personal persuasive essay, scores from the Test of Essential Academic Skills (pre-nursing entrance assessment) and 2 professional or academic references. One hundred (100) qualified junior level students will be admitted each fall.

Criminal Background Check/Drug Screen
A criminal background check conducted through the Board of Nursing is required prior to admission to the School of Nursing at Texas State. A valid social security number is required by the School of Nursing clinical partners for the background check. Qualified applicants who have completed the admission procedures receive a FAST Pass - instructions to initiate their criminal background check, including fingerprinting. Applicants aware of eligibility issues on their record, either misdemeanor or felony, should apply to the School of Nursing early. It may be necessary to apply for a Decleratory Order through the Texas Board of Nursing (BON), and this process can take months. If the BON Decleratory Order is granted, it will confirm eligibility to sit for the NCLEX-RN (National Council Licensure Examination for Registered Nurses) after graduation. It does not assure that students will be employed as a nurse, as this is up to the employer. Students must adhere to the policies of the clinical agencies including drug screenings and an additional background check. All students are subject to random or for cause screens.

Liability Insurance
Once accepted to the Nursing Program students must purchase liability insurance.

Immunizations
It is a policy of the College of Health Professions that each student must provide a Health Certificate completed by a health care provider. A list of required immunizations must be obtained and evidence provided. The completed Immunization and Tests Form and Health Certificate must be submitted to the SON Admission and Retention Coordinator. Students must stay current on immunizations. Basic Life Support for Healthcare Professionals must be completed and a copy of the card sent to the School of Nursing.

Academic Progression
Students enrolled in the Nursing Program are required to maintain a grade of at least a “C” in all courses in the nursing curriculum. Nursing courses are offered in a lock-step sequence. Each course may be offered only once each academic year; therefore, progress in the program may be delayed if a student falls out of the sequence due to failure to successfully complete nursing courses. A student who falls out of sequence (whether due to illness, course failure, or other reasons) cannot be assured of a space in subsequent courses, though every effort will be made to accommodate him/her. The decision is based upon the Admission, Progression and Graduation Committee’s review and consideration. In addition, a student may repeat a nursing course only once. If the student does not earn a grade of at least “C” upon repeating the course, the student cannot continue in the Nursing Program. No more than two nursing courses may be repeated. Withdraw failing is considered a failing grade.

Graduation
To graduate with a Bachelor of Science in Nursing Degree, a student must successfully complete all nursing courses with a “C” or better in addition to completing all prerequisite courses. Graduating students must have attained a 2.0 or higher Texas State University GPA with a minimum of a 2.50 GPA in the Nursing major.
Courses in Nursing (NURS)

3110 Health Assessment Across the Life Span Practicum. (0-3) Students demonstrate knowledge in the performance and documentation of physical assessments of well individuals and nursing care plans developed using the nursing process, critical thinking, and evidence-based practice. Students apply teaching learning principles in meeting the education needs of patients and demonstrate measures to maintain confidentiality of personal health information.

3220 Essentials of Nursing Care Practicum. (0-6) This course requires students to develop an understanding of the role and responsibilities of the nurse in the provision of patient care. The students will apply evidence-based practice in performing routine and complex tasks with multidisciplinary teams while ensuring patient safety. The students will also practice safe and ethical decision-making and prioritizing patient care based on the principles of nursing. A quality and practice improvement plan will be developed.

3230 Health Assessment Across the Life Span Practicum. (0-3) Students will analyze patient data and apply nursing diagnosis and interventions to improve patient outcomes across the life span. The course incorporates pathophysiology and pharmacology to facilitate a comprehensive assessment of the patient. Students will utilize clinical reasoning and judgment to provide ethical, holistic, and patient-centered care, promote health, prevent disease, and manage illness.

3430 Pathophysiology and Pharmacology for Nurses. (4-0) This course provides an understanding of the physiological and pharmacological basis of disease processes and the role of the nurse in the management of the patient. Students will study the effects of disease processes on body systems, the body's response to disease, and the use of medications to treat disease. The course will also include the study of ethical and legal issues related to the use of medications.

3440 Acute Nursing Care of Adults. (4-0) This course focuses on the care of patients experiencing acute, rapidly changing, life-threatening alterations in health status. Students will utilize clinical reasoning and judgment to provide ethical, holistic, patient-centered nursing care, manage illness, and promote health.

3460 Psychiatric Mental Health Nursing Practicum. (0-6) This course provides an understanding of the physiological and pharmacological basis of mental health disorders. Students will study the effects of disease processes on body systems, the body's response to disease, and the use of medications to treat disease. The course will also include the study of ethical and legal issues related to the use of medications.

3510 Health Assessment Across the Life Span. (3-0) Students learn to conduct health histories and physical assessments of well individuals and develop nursing care plans with specific health promotion, illness prevention, and risk factors of patients. Assessments will encompass cultural domains, diversity, belief systems, and the implications for traditional and evidence-based practice.

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. Social roles and the professional nursing role. Continuing and formal education for advancement. Qualitative and quantitative research in relation to healthcare systems, nursing practice, and current topics.

4201 Professional Growth and Empowerment. (2-0) This course explores the history of nursing in the context of personal health information. Students will integrate knowledge of family systems, evidence-based practice, clinical reasoning, and the nursing process to provide safe, effective, patient-centered care.

4210 Nursing Care Across the Life Span Practicum. (0-6) This course uses clinical experiences to apply the nursing process in providing safe, effective, and quality care to patients and families across the life span. Students will utilize clinical reasoning and judgment to provide ethical, holistic, and patient-centered nursing care, promote health, prevent disease, and manage illness.

4311 Nursing Care in Complex Health. (3-0) This course explores traditional and contemporary nursing concepts related to complex health alterations, compensations, and environment across the life span. Therapeutic communication, education, and collaborative interventions with diverse individuals and groups are emphasized including the use of complementary and alternative modalities to meet the needs of patients.

4350 Maternal, Newborn, and Pediatric Nursing. (3-0) This course applies the nursing process and evidence-based practice to the care of maternal, newborn, and pediatric patients in acute care settings. The course emphasizes the use of the nursing process to provide care to individuals and families that is developmentally and culturally focused.

4370 Leadership and Management of Nursing Care I. (3-0) Leadership theories applied to unit and middle management leadership. Professional nursing for 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.

4390 Management of Nursing Care Practicum. (3-0) Using a variety of philosophical perspectives, the student will explore community-based nursing care, learning to contrast care in hospital-based settings while transitioning into organizations within the community. Reflective assessment tools and mindful intervention/teaching projects will be developed.

4471 Leadership and Management of Nursing Care II Practicum. (0-12) 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. Overview and evaluate evidence-based nursing care provided.

Department of Physical Therapy

Radiation Therapy Program

Health Professions Building 310A
T: 512.245.9081 F: 512.245.4777
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 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 environmental evaluation. The radiation therapist must also appreciate the significant psychological impact that cancer has on patients and their families.
Information on the process of drug screening will be provided by a student's academic advisor or department head. Screening and meet other requirements set by individual sites.

**Criminal Background Check/Drug Screening**

General Admission Requirements:

- **Academic Progression:** Students enrolled in the Radiation Therapy Program are required to maintain a grade of "C" or better in all coursework. Radiation Therapy courses are offered in a lock-step sequence. Each course is offered only once each academic year; therefore, progress in the program is affected should a student fall out of the sequence due to failure to successfully complete a course. A student who falls out of sequence (whether due to illness, course failure, or other reasons) will be delayed one year to repeat the course. In addition, a student may repeat a radiation therapy course only once. If the student does not earn a grade of at least "C" upon repeating the course, the student cannot continue in the program.

Graduation to graduate with a Bachelor of Science in Radiation Therapy Degree, a student must successfully fulfill the general education requirements and complete all radiation therapy courses with a "C" or better. The student must meet the requirements for clinical competency as described in the Directed Clinical Learning syllabi. Graduation students must have attained a 2.0 or higher Texas State University GPA with a minimum of a 2.25 GPA in the Radiation Therapy major.

**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.

**Criminal Background Check/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 on the process of drug screening will be provided by the school/department/program. Previous misdemeanor or felony convictions under various titles of the Texas Penal Code may affect eligibility for state license status following graduation and may affect admission consideration to the Radiation Therapy program.

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**Courses in Radiation Therapy Technology (RTT)**

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Eligibility for state license status following graduation and may affect admission consideration to the Radiation Therapy Program.

Courses in Radiation Therapy Technology (RTT)

3.210 Clinical Simulation Lab I. (0-4) Students are provided instruction and simulated practice in a controlled laboratory setting. This course provides instruction, demonstration and participation in immobilization, positioning and simulation with the aid of an anthropomorphic phantom. Students will learn aspects of simulation for basic treatment delivery applications.

3.220 Directed Clinical Learning I. (1-16) Students will observe the basic operations of the radiation oncology clinic while interacting with the multidisciplinary team involved in providing care and treatment. The student will be introduced to the oncology terminology, equipment, and techniques used for treatment. Learning is achieved through direct patient care, with instruction, demonstration and direct supervision.

3.221 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.

3.290 Principles in Radiation Oncology. (3) This course will focus on basic nursing concepts involved in providing care for the cancer patient. Topics to be included in the class will include nursing implications for the cancer patient. Topics to be included in the class will include: (a) common disease, social roles and cancer, (c) multidisciplinary approach to patient care, psychosocial dimension of cancer, (d) in-treatment examinations, follow-up examinations, emergency management, chemotherapy and nutritional aspects of care. Topics to be included in the class will include: (a) common disease, social roles and cancer, (c) multidisciplinary approach to patient care, psychosocial dimension of cancer, (d) in-treatment examinations, follow-up examinations, emergency management, chemotherapy and nutritional aspects of patient care with cancer.

3.301 Introduction to Radiation Oncology. (3) 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)

3.302 Radiologic Science and Medical Imaging. (3) 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.

3.310 Physics of Radiation Therapy I. (3) 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 measurement, general principles, structure of the atom, structure of the material, electrostatics, magnetism, electrodynamics, electronics, rectification and application and properties of radiation and radiographic techniques.

3.314 Radiation Therapy Sectional Anatomy. (3) 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.

3.340 Oncologic Pathology. (3) 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.

3.350 Radiology and Radiation Safety. (3) This course will cover the principles of the essential components of effective 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 responses to radiation action, target theory, physical and chemical factors affecting radiation response, biological factors, repair and recovery, fractionated doses and dose rate.

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early/acute effects of whole body exposure, late/chronic effects of whole body exposure, and radiation protection principles.

4120 Clinical Simulation Lab III. (0-4) Students are provided instruction and simulated practice in a controlled laboratory setting. A continuation of RTT 4119. This course provides instruction, demonstration, and participation in immobilization, positioning and treatment simulation. Students will learn aspects of simulation for basic, intermediate, and advanced treatment delivery applications.

4121 Clinical Simulation Lab IV. (0-4) Students are provided instruction and simulated practice in a controlled laboratory setting. A continuation of RTT 4120. This course provides instruction, demonstration, and participation in immobilization, positioning, and treatment simulation. Students will learn aspects of simulation for basic, intermediate, and some advanced treatment delivery applications.

4122 Clinical Simulation Lab V. (0-4) Students are provided instruction and simulated practice in a controlled laboratory setting. A continuation of RTT 4121. This course provides instruction, demonstration, and participation in immobilization, positioning, and treatment simulation. Students will learn aspects of simulation for basic, intermediate, and some advanced treatment delivery applications.

4190 Radiation Therapy Literature and Manuscript Writing. (1-0) This intensive writing course provides instructions in research strategies, critical review and analysis of peer reviewed publications. An introduction to scholarly resources and professional development, using peer reviewed journal guidelines for the profession of radiation therapy. This course prepares students for RTT 4191 Radiation Therapy Literature Review and Manuscript Writing.

4191 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.

4199 Radiation Therapy Seminar. (1-0) This course is a continuation of RTT 4198. The course provides instruction in the completion of a final draft for the student's technical manuscript. The course work builds from the completed manuscript and draws from the material and knowledge gained in RTT 4199 to develop a formal presentation.

4200 Directed Clinical Learning I. (1-0) Students will continue to develop skills during this clinical course. 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 some advanced procedures through supervised clinical instruction, progressing through a competency-based educational sequence.

4220 Directed Clinical Learning V. (1-24) The student will complete their clinical training by practicing all the skills they have learned in the classroom, lab, and clinical setting. The student will continue demonstrating proficiency while completing the Skills Competency Checklist.

4310 Physics of Radiation Therapy I. (3-0) Students will continue to learn principles of physics 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, radiosensitivity, treatment units, and particle irradiation.

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 and communication systems and 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 beams and variety of devices. Students will also be taught iso-dose 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 techniques 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.

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.

Department of Respiratory Care

Health Professions Building 351
T: 512-245-8243
F: 512-245-7978
www.health.texasstate.edu/rc

Degree Program Offered
BSRC, major in Respiratory Care

The Bachelor of Science in Respiratory Care Program prepares students to function as respiratory care practitioners and take their place as a key healthcare team member. Skilled in assessing patients with breathing disorders in the emergency room, intensive care units and many other areas in healthcare facilities. Respiratory care practitioners work directly with physicians on newborn, pediatric or adult patients to analyze oxygen levels and breathing difficulty. They work to relieve breathing distress, provide pulmonary/lung therapies, and conduct lung diagnostics for all ages. Graduates find employment in many settings such as hospitals, pulmonary rehabilitation clinics, doctors’ offices, sleep labs, homecare, and air-life transport teams working with patients in the emergency room, newborn/pediatric/adult intensive care units, and many other areas.

Respiratory care (RC) majors take classes on the San Marcos campus and gain clinical experience in the city hospitals. Students successfully admitted to the program must complete the sequenced curriculum within the cohort group. Individuals taking core courses prior to admission to the program should contact the College of Health Professions’ Advising Office. Students completing an associate degree in RC from another university or college are eligible to apply for admission to the BSRC Program at Texas State for bachelor degree completion. For information on this option, see the department chair. The BSRC Program is accredited by the Commission on Accreditation for Respiratory Care (CoARC) and qualifies graduates to take national board credentialing exams offered by the National Board for Respiratory Care immediately upon completion.

The department also offers a graduate certificate in Polysomnographic Technology (sleep studies) at the undergraduate level with a grade of less than a “C” in a RC/PSG course will be ineligible to continue the program and must reapply to the program the following semester. To be considered for program readmission, all original program admission criteria continue to apply. If readmitted, an assessment of clinical skills will be required to determine appropriateness of clinical placement in the curriculum sequence.

Graduation Requirements

Requirements for BSRC completion and graduation include a Texas State GPA of 2.0 with a RC major GPA of 2.25. Requirements for PSG course of study completion include a grade of “C” or higher in all PSG courses.

Admission Process

Application for admission to the RC program and the PSG course of study must be made to the RC department in addition to regular university admission procedures. All applicants must have an overall GPA of 2.50 and complete RC 1313 with a grade of C or higher to apply. Admission is competitive and enrollment is limited depending on student/faculty ratios in the clinical phase of the program. All courses must be taken in sequence and completed with a grade of C or higher in order to progress to the next semester in the curriculum. Due to performance standards of the profession, students must meet specific CoARC standards in addition to physical and emotional requirements of the academic program in order to qualify for admission.

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.

Immunization Requirements

As a condition for placement in some professional practice sites, all students are required to have a background check and/or drug screening to meet requirements individual sites. Information on these requirements and forms may be obtained through the departmental office.

Background Checks and Drug Screening

As a condition for placement in some professional practice sites, all students are required to have a background check and/or drug screening to meet requirements individual sites. Information on these requirements and forms may be obtained through the departmental office.

Program Progression

Successful program progression requires students to complete each semester in a lock-step sequence with a grade of "C" or higher in all RC or PSG courses. According to departmental policy, students with a grade of less than a “C” in a RC/PSG course will be ineligible to continue the program and must reapply to the program the following semester. To be considered for program readmission, all original program admission criteria continue to apply. If readmitted, an assessment of clinical skills will be required to determine appropriateness of clinical placement in the curriculum sequence.
Bachelor of Science in Respiratory Care
Degree 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.

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 dispensing and with adverse reactions to drugs. Specifically designed for respiratory care practitioners.
1445 Respiratory Care Clinical Lab III. (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 be practices, under supervision, respiratory care therapeutic modalities in a healthcare setting. Becomes familiar with various RT aspects of patient care as presented in a 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 interpretation, bedside physiologic monitoring, airway care, basic pulmonary function testing, as well as monitoring and maintenance of ventilator parameters are performed.
3101 Cardiac and Respiratory Care I. (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.
3111 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. (WT)
3300 Advanced Respiratory Care Technology. (3-0) In-depth study of respiratory physiology comparing the cardiovascular, pulmonary, and renal systems 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, focus on interfacing with ventilators and 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 intern in the intensive care setting 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 electrophysiologic monitoring 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,
4330 Pulmonary Rehabilitation. (3-0) An introduction to medi-
4313 Polysomnographic Therapeutic Intervention. (3-0) In-depth
4310 Fundamentals of Polysomnography. (3-0) Introduction to
4220 Cardiovascular and Pulmonary Diagnostics. (2-0)
bronchiectasis, AIDS and drug overdose. (WI)
ARDS, neurologic diseases, pulmonary fibrosis, pneumonia,
pathophysiology, diagnosis, and treatment of specific dis-
tions and politics in respiratory care. Ethics of patient care
and professional behavior will be explored. Repeatable for
credit with different emphasis. (WI)
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 recogni-
tion. Sleep pathologies will be discussed according to etiol-
ology, pathophysiology, symptoms, diagnosis, treatment, and
prognosis. 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 develop-
ment, 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 organiza-
tions 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 medi-
cal, 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 dis-
cases 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 observa-
tions. 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, ampli-
fier 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.
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.
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.

Specific Requirements of the College of Liberal Arts

The following requirements apply to all degree programs within the College of Liberal Arts. Students transferring in more than 30 hours will not be required to complete US 1100 – University Seminar. Bachelor of Arts degrees require two semesters of literature and one additional science course. Transferring in a core coded 040 course from another institution does not waive this requirement. See your academic advisor for questions related to the above requirements.

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/European focus
- BAIS, major in International Studies
- Travel and Tourism focus
- BAIS, major in International Studies – International Relations

Minor Offered

International Studies

Certificates Offered

Interamerican Studies
Southeast Asian Studies

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. 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. Additionally, effective Fall 2012, all undergraduate students pursuing the B.A.I.S. degree are required to complete a global academic experience. The requirement can be fulfilled by a study abroad course or the IS 4387, Bachelor of Arts in International Studies Internship, if it entails international work, service, or group research. The Center’s director and academic advisor will work closely with IS majors to find the best options for faculty-led or independent international study. 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.

International Studies Core

All majors in International Studies are required to complete 41 hours of core courses: ECO 2314 & 2315; GEO 1310 & 3303; HIST 2305 or 2310, 2320 or 2322; IS 4380; POSI 3322; Modern Language 1410, 1421, 2302, 2321, and two advanced (3000- or 4000-level) courses in the same language.

### International Studies Core

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### General Requirements

1. Choose 9 courses (27 hours) from the following, no more than 3 courses (9 hours) from one discipline: ANTH 3306, 3316, 2350, 4320; ARTH 4308; CJ 4390E; COMM 3329, 3332, 4308; ENGL 3341 (when emphasis is in Asian); GEO 3332, 3333, 3349 (or SOCI 3320, 3326; HAN 4303; H ED 2301; 3344; HIST 4323, 4343, 4344, 4345, 4350, HSP 3350, HIST 4315, MJ 3318; PHIL 4371, 4388 (when emphasis is in Asian); PHYS 4313, 4341, 4350, 4367; RDS 4320; REL 3360; SOWK 3339 (when emphasis is international).

2. The 17-hour language requirement (1410, 1421, 2310, 2320, and one advanced course) must be completed in one of the main Asian Languages.

3. All students pursuing the B.A.I.S. degree are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, Bachelor of Arts in International Studies Internship, if it entails international work, service, or group research. Consult with an academic advisor for options.

Bachelor of Arts in International Studies

Major in International Studies

Asian Studies focus

Minimum required: 120 semester hours

### Bachelor of Arts in International Studies

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### Course Requirements

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<tr>
<td>BAIS, major in International Studies – Interamerican Studies focus</td>
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<tr>
<td>BAIS, major in International Studies – Russian/European focus</td>
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<tr>
<td>BAIS, major in International Studies – Travel and Tourism focus</td>
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### Minor Offered

International Studies

Certificates Offered

Interamerican Studies
Southeast Asian 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, 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
Major in International Studies
(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, 4307, 4308, 4309, ART 2316, 4321, 4321F, 4321L, DAN 3308, 4308; ECON 3317, 3351, ENG 3316, 3322, 3341, 2350, 3351; HED 3305, 3306, 3307, 4307; GEO 3307, 4308; GER 3301, 3202, 3207, 4310; HIST 3316, 3311, 3312, 3314, 3315, 3316, 3368, 3361, 4303, 4304, 4307, 4317, 4318A, 4318E, 4318H, 4318O, 4320, 4333, 4334, 4336, 4337, 4346; MUI 3318; PILS 3332, 3333, 4304, 4370; GEO 3307, 4308; GER 3301, 3302, 3307, 4310; HIST 3316, 3311, 3312, 3314, 3315, 3316, 3368, 3361, 4303, 4304, 4307, 4317, 4318A, 4318E, 4318H, 4318O, 4320, 4333, 4334, 4336, 4337, 4346; MUI 3318; PILS 3332, 3333, 4304 (only when focus is Europe), 4328, 4340, 4343, 4347, 4350, 3361, 4360, 3369, 4362, 3365, 4368, 4380A, 4380B.
2. The 17-hour language requirement (1410, 1430, 2310, 2320, and one advanced course must be completed in one of the main European languages.
3. All students pursuing the BAIS degree are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, International Studies Internship, if it entails international work, service, or group research. Consult with an academic advisor for options.

Junior Year - 1st Semester
Junior Year - 2nd Semester
Senior Year - 1st Semester
Senior Year - 2nd Semester
Freshman Year - 1st Semester
Freshman Year - 2nd Semester
Sophomore Year - 1st Semester
Sophomore Year - 2nd Semester

Course | Hr | Course | Hr | Course | Hr | Course | Hr
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ENGL 1310 | 3 | HIST 1310 | 3 | HIST 1320 | 3 | ECO 2315 | 3
POSI 2310 | 3 | ENGL 1320 | 3 | English Literature | 3 | GEO 3303 | 3
COMM 1310 | 3 | POSI 2320 | 3 | PRH 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 | PW | 1 | 6
Total | 16 | Total | 16 | Total | 17 | Total | 16

Bachelor of Arts in International Studies
Major in International Studies
(International 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, 3328, 3335, 3345, 3347, 3350, 3354, 3366, 3369, 3370, 4320; ARTH 4302, 4303; COMM 3318; DAN 3308, 4306; ECO 3350; ENG 3341, 3352; GEO 3308, 3309; HED 3301, 3346; HIST 3318, 3320, 3322, 3324, 3325, 3326, 3327, 3333, 4304, 4306, 4373; HP 3350; MGT 3375; MU 3318; NHL 4375; 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.
3. All students pursuing the BAIS degree are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, International Studies Internship, if it entails international work, service, or group research. Consult with an academic advisor for options.

Freshman Year - 1st Semester
Freshman Year - 2nd Semester
Sophomore Year - 1st Semester
Sophomore Year - 2nd Semester

Course | Hr | Course | Hr | Course | Hr | Course | Hr | Course | Hr
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ENG 1310 | 3 | HIST 1310 | 3 | HIST 1320 | 3 | ECO 2315 | 3
POSI 2310 | 3 | ENGL 1320 | 3 | English Literature | 3 | GEO 3303 | 3
COMM 1310 | 3 | POSI 2320 | 3 | PRH 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 | PW | 1 | 6
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 | Course | Hr
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HIST 2312 or 2320 | 3 | English Literature | 3 | International Studies Focus | 9 | IS 4380 | 3
Modern Language 2310 | 3 | BA Science | 3 | International Studies Focus | 6 | Elective | 3
Natural Science Component | 4 | Modern Language 2320 | 3 | International Studies Focus | 6 | Elective | 3
International Studies Focus | 6 | 6
Total | 16 | Total | 16 | Total | 12 | Total | 12

Elective | 12 | 6 | 6 | 6 | 6 | 6 |
Bachelor of Arts in International Studies

Major in International Studies
(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, 3350; MGT 3303, 3375; 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 3318, 3319M, 3326; FR 3381, 3382; GEO 3340, 3349 (or SOC 3320); GER 3380; HIST 4350B, 4361, 4373; JAPA 3308, MC 3343, 3367, 4303, 4310; PHIL 3322, 3332; POSE 3320, 3329, 4326, 4327, 4356, 4357, 4358, 4367; PSY 3333, PSY 4393; SOC 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: DMST 2333, SOC 3307, PSY 3377, CJ 3347, HP 3302, MATH 2328, 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.
5. All students pursuing the BIS degree are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, International Studies Internship, if it entails international work, service, or group research. Consult with an academic advisor for options.

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<th>Course</th>
<th>Freshman Year - 1st Semester</th>
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Bachelor of Arts in International Studies

Major in International Studies
(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 3305, 3311, 3322, 3323, 3350, 4320; COMM 3326; DAN 4356, 4369; ENG 3341 (when emphasis is Middle East/African); GEO 3338, 3346 or SOC 3320; HIST 4316A, 4316B, 4325, 4326, 4327, 4340; HP 3350; MIU 3318; POSI 4313, 4314, 4315, 4316; PSY 4364, 4387; RDG 4320 REL 3308; SWK 3339 (when emphasis is international).
2. The 17-hour language requirement must be completed in French, Spanish, or Arabic.
3. All students pursuing the BIS degree are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, International Studies Internship, if it entails international work, service, or group research. Consult with an academic advisor for options.

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<th>Course</th>
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### Bachelor of Arts in International Studies

**Major in International Studies (Russian/East European Studies Focus)**

**Minimum required:** 120 semester hours

**General Requirements:**
1. Choose 8 courses (27 hours) from one discipline: ECO 3317, 3351, ENGL 3325, ENGL 3341 (when emphasis is on Eastern Europe, Russia, or Germany); GEO 4328; GER 3301, 3302, 3303, 3305; HIST 3310, 3311, 3312, 3313H, 3333, 3334, 3335, 3336, 3337; MGT 3303; POSI 4328; 4341, 4343, 4344, 4345; RGS 4320; SHR 3339 (when emphasis is international).
2. The 17-hour language requirement (1410, 1420, 2310, 2320) must be completed in an appropriate language.
3. All students pursuing the BAIS degree are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, International Studies Internship, if it entails international work, service, or group research. Consult with an academic advisor for options.

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<th>Course</th>
<th>Freshman Year - 1st Semester</th>
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### Bachelor of Arts in International Studies

**Major in International Studies (Travel and Tourism Focus)**

**Minimum required:** 120 semester hours

**General Requirements:**
1. Required courses: ACC 2301; GEO 3340; HIST 3311, 4307; MGT 3303; MKT 3342; IS 4687.
2. Choose 2 additional courses (9 hours) from the following: COMM 3318H, 3337H; ENGL 3311 (when emphasis is travel writing); HIST 3322, 4303 (or 4304); MK 3344, 3367, 4303, 4310; MGT 3311; MKT 3342; PHIL 3329.
3. It is strongly recommended that students also complete ENG 2300 and 2340 to satisfy the sophomore ENG literature requirement.
4. All students pursuing the BAIS degree are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, International Studies Internship, if it entails international work, service, or group research. Consult with an academic advisor for options.

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<th>Course</th>
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### 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 3315; POSI 4328, 4369.
2. Choose two courses (6 hours) from the following: COMM 3318H, 3337H; ENGL 3311 (or 4304); MGT 3303; PHIL 3329.
3. Choose one course from the following: HIST 3312, 3313, 3322, 4307, 4310, 4320, 4325, or 4333.
4. Choose one course from: HIST 3311, 3314, 3324, 3326, 4326, 4333, 4343, 4364, 4365, 4366, or 4373.
5. All students pursuing the BAIS degree are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, International Studies Internship, if it entails international work, service, or group research. Consult with an academic advisor for options.

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<th>Course</th>
<th>Freshman Year - 1st Semester</th>
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Minors in International Studies

The minor requires 21 semester hours, which includes a 12 hour core: GEO 1301, GEO 3303, and one course from: ECO 3317, POSI 4342, 4357, 4358, 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 Intermountain Studies

The Certificate in Intermountain 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 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 18 hours that may be accommodated within the hours required in the undergraduate curriculum for most majors. Six courses will be selected from the following:

- ADV FR/PORT/SPANANTH 3354, 3355
- CI 4378
- COMM 3383
- ECO 3320
- GEO 3308, 3309, 3340, 3353
- HIST 3320, 3324, 3325, 3337, 3346, 3358, 3369Z
- IS 4380, 4387, 4387
- MGT 3375, 4399G
- PHIL 4372
- POSI 4338, 4339, 4358
- TECH 3322

Certificate in Southeast Asian Studies

The Certificate in Southeast Asian Studies is an undergraduate program of study that concentrates on Southeast Asia and offers students a credential to show that they have an academic specialization on the ASEAN Bloc. Enrollment is open to all majors and post-baccalaureate students who satisfy individual prerequisites and who are in good academic standing at Texas State. The Certificate requires 18 semester credit hours that may be accommodated within the hours required in the undergraduate curriculum for most majors. Six courses will be selected from the following:

- AG 3380, 4383, BSO 3308, CH 3300-level or above, CJ 4390E, FDC 3346, FR 3300-level or above, GEO 3332, HIST 4343, 4350G, 4390L, 4350M, HON 3395M (when focus is Southeast Asian), IS 4387, IS 4687, PHIL 4371, POSI 3337, 4339, and REL 3366.

Courses in International Studies (15)

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 participate in 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)

487 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)

467 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.

The following courses are offered 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.

The two required core courses (6 hours) are WS 3376: Images of Women and WS 3377: Realities of Women. They examine the images of women that are prevalent in Western culture (with examples being drawn from films, literature, visual arts, and popular music) as well as those topics and issues related to the realities of women's lives.

The remaining four elective courses (12 hours) may be chosen from the following:

- ANTH 3324, ANTH 3350, ANTH 3354, CJ 4326, COMM 3328, DVST 3301, ENGL 3388, ENGL 3392, HIST 3375, HIST 3377, HIST 3381, HIST 3382, MC 4308, PHIL 3325, PHIL 3333, POSI 4330, PSY 3332, SOC 3350, WS 4388.

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, multidisciplinary and comparative survey of the major diversity issues. It highlights the traditional minorities, such as African, Latino/a, American Indian, and Asian Americans, as well as European American ethnic groups. It also explores issues related to the study of gender, race, 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...
### 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 one of the following theory-based courses: ANTH 3301, ANTH 3307, ANTH 3376R, or ANTH 4310 with a grade of “C” 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 30 advanced hours (3000 and 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 SOC 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 BS 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 4300 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 4315 can be assigned.

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#### Department of Anthropology

**Evans Liberal Arts Building 266**
T: 512.245.8272 F: 512.245.8076
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 linguistic anthropology. 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, professional careers, development, 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. 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 and prepare them for professional careers or graduate study. 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.

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### Notes:

- 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 one of the following theory-based courses: ANTH 3301, ANTH 3307, ANTH 3376R, or ANTH 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 30 advanced hours (3000 and 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 SOC 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 BS 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 4300 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 4315 can be assigned.

#### Minor Offered

**Anthropology**

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

Beazos 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. In 88-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 bimannual 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 3344, 3345, 3324, 3334A, 3334C; 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, 3376; SOWK 4303; SPAN 3305, 3306, 3371, 3330, 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 study and special topic courses may be substituted with permission from the Director of the Center for the Study of the Southwest.
Minor in Anthropology
A minor in Anthropology requires 20 semester hours including ANTH 3312, 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) In this course students examine the nature of cultural variation of populations in the present and recent past. Its subjects include social, political, economic, and ideological aspects of human cultures. (MC)

2414 (ANTH 2401) Biological Anthropology. (3-0) 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

3301 Principles of Cultural Anthropology. (3-0) This course is an ethnographically-based analysis of major theoretical positions and debates in contemporary anthropology. Prerequisites: ANTH 1312 and 60 hours of coursework.

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)

3303 Applied Cultural Anthropology. (3-0) In this course students learn the methods applied cultural anthropologists use to address social problems such as poverty, sustainable development, conflict, climate change, community health, workplace and product design, education, and cultural heritage, as well as the value “thinking anthropologically” has for a wide range of careers.

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 civilization events, and the development of complex societies.

3307 History of Evolutionary Thought. (3-0) This course discusses the impact of evolutionary discourse within the context of its history. Students will develop a thorough understanding of evolution and its importance to anthropology, as well as to other scientific disciplines. Prerequisites: ANTH 2414 and 60 hours of coursework.

3508 Cultural Resource Management and Archaeology. (3-0) This course surveys Cultural Resource Management (CRM) archaeology, the conservation and investigation of archaeolog- ical resources formed 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 2414.

3509 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 and the world. We will also discuss anthropological interpretations of historically U.S. (American) culture has dealt with concepts of the “other” and supernatural phenomena.

3513 Aztec: Native Americans and Empires. (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.

3514 Latin American Cultures. (3-0) An examination of Latin American cultures with an emphasis on pre-Columbian and contemporary indigenous peoples of Mexico. (MC)

3515 Archaeology of the Southwest. (3-0) An examination of the prehistoric and early cultures of the Great 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 mammal 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 multistoried pueblos and cliff dwellings. (MC)

3516 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. (MC)

3517 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.

3518 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, WI)

3519 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

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, geology, geography, computer science, or mathematics.
3. Majors are required to complete ANTH 1312, 2414, 2415, and one of the following theory-based courses: ANTH 3301, ANTH 3307, ANTH 3376R, ANTH 3376S, or ANTH 4310 with a grade of “C” 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 Anthrology techniques courses to be selected from: ANTH 3317, 4363, 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.
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 8 hours of the same foreign language (1410 and 1420) at the college level.
11. 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.
12. Majors are required to complete 6 hours of Anthropology techniques courses to be selected from: ANTH 3317, 4363, 4382, 4390, or 4630.
13. All students must complete a minimum of 36 advanced hours (3000 or 4000 level courses) as part of their degree.
14. Majors must complete 8 hours of the same foreign language (1410 and 1420) at the college level.
15. Majors must complete the English course, Technical Writing (ENG 3303), in addition to the English sophomore literature course required for core curriculum.
16. Majors must complete a statistics course from CJ 3347, GEO 3310, PSY 3310, or SOC 3307.
17. Majors must complete an additional philosophy course, PHIL 4359 (Philosophical Theory of Science).
18. Students who complete four-hour introductory biological anthropology and/or archeology course at another institution may have coursework evaluated by the Chair of the Department to determine if credit for ANTH 2414 and/or 2415 can be assigned.

Course
Freshman Year - 1st Semester
Junior Year - 1st Year
Senior Year - 1st Semester
Junior Year - 2nd Semester
Senior Year - 2nd Semester
Freshman Year - 2nd Semester
Sophomore Year - 1st Semester
Sophomore Year - 2nd Semester

Course
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ANTH 1312
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ENG 1301
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ENG 2310
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ANTH 2414
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ANTH 2415
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ANTH 3303
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ENG 3320
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ANTH 3310
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ENG 3320
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PSY 2310
3
Modern Language 1410
4
PHIL 1100
1
Modern Language 1420
4
PSY 2300
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PSY 2310
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Modern Language 1410
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PHIL 1100
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Modern Language 1420
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PSY 2300
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Total
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16

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17-18
19-20

ANTH advanced electives
PHIL 4359
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ANTH 3317, 4363, 4381, 4382, 4390,
3 or 4630, or 4631
1
ART, DAN, MIU, or TR 2313
3
Minor
3

Total
15
Total
15
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Total
13

3
AntH advanced electives
3
PHIL 1100
3
ANTH 3317, 4363, 4381, 4382,
3 or 4630, or 4631
1
Minor
3

Total
15

*Bs students are required to take 6 total hours of techniques courses.
3323 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)

3324 Primate Cognition. (3-0) In this course students investigate the diversity of cognitive abilities 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.

3325 Comparative Juvenile Behavior. (3-0) This course will give students the opportunity to learn a quantitative, experimental method through examples from the development of juvenile animals. It will introduce students to sociobiology, neurobiology, and life history markers, with information that they can apply across for future research.

3326 Maya History and Society. (3-0) The purpose of this course is to introduce 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.

3328 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.

3330 Human and Primate Origins. (2-1) An examination of the long and diverse record of human and nonhuman biological evolution viewed from the fossil record. It examines the functional and ecological challenges that may have been responsible for the path of human development. (WI)

3341 Maya History and Society. (3-0) The purpose of this course is to develop a knowledge of Maya Civilization from as well as anthropological perspectives. Students will study the features of the Classic Period Maya and modern Maya society, focusing on the functional and structural dynamics of the economy.

3342 Primate Behavior. (2-1) This course examines a wide variety of behaviors and behaviors of living primates (prosimians, monkeys, apes, and humans). Topics which are emphasized include primate habitats, social structure and composition, communication, aggresiveness, socialization, and primate diversity.

3343 Human Variation and Adaptation. (3-0) This course examines the physical variation observable within and between human populations. It emphasizes the functional and structural aspects of adaptation as it is explored in relation to human adaptation. It explores the biological mechanisms responsible for change and evaluates the potential of biological components in shaping human variability.

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 covers early occupations of the Arctic, plains, and forested regions and development during archeological 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 study of rainforests and the rainforests of Mexico. Prior introductory biological anthropology, animal behavior, ornithology, or biology courses are helpful but are not required. This course may be repeated with different emphasis for additional credit.

3356 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.

3357 Forensic Anthropology. (3-0) Forensic Anthropology is the recovery and analysis of human skeletal remains for purposes of identification, individualization, and inference. Students will learn about planning, organizing, and carrying out research on a variety of topics in local or other communities. This training can be used to gain certification in archaeology, environmental/ecological anthropology, and related fields. Prerequisites: Current scuba diving certification from any nationally accredited dive certification agency and an advanced scuba diving certification is recommended. Students must also complete standard liability and injury waiver forms, as well as complete a diving physical prior to any fieldwork. Additional credit.

3376 Archaeology of Native American Belief Systems. (3-0) In this course, students will learn about Native American religions and their relationship to the archaeological record. This will focus on cultural constructions of gender and sexuality, and the differences between the two cultures and examines the ways in which they have each affected other.

3378 The Anthropology of Native American Belief Systems. (3-0) In this course, students will learn about Native American religions and their relationship to the archaeological record. This will focus on cultural constructions of gender and sexuality, and the differences between the two cultures and examines the ways in which they have each affected other.

3380 Forensic Anthropology. (3-0) Forensic Anthropology is the recovery and analysis of human skeletal remains for purposes of identification, individualization, and inference. Students will learn about planning, organizing, and carrying out research on a variety of topics in local or other communities. This training can be used to gain certification in archaeology, environmental/ecological anthropology, and related fields. Prerequisites: Current scuba diving certification from any nationally accredited dive certification agency and an advanced scuba diving certification is recommended. Students must also complete standard liability and injury waiver forms, as well as complete a diving physical prior to any fieldwork. Additional credit.

3381 Forensic Anthropology. (3-0) Forensic Anthropology is the recovery and analysis of human skeletal remains for purposes of identification, individualization, and inference. Students will learn about planning, organizing, and carrying out research on a variety of topics in local or other communities. This training can be used to gain certification in archaeology, environmental/ecological anthropology, and related fields. Prerequisites: Current scuba diving certification from any nationally accredited dive certification agency and an advanced scuba diving certification is recommended. Students must also complete standard liability and injury waiver forms, as well as complete a diving physical prior to any fieldwork. Additional credit.
3311 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.

4303 Field Methods in Primate Behavior. (3-0) This course will train students to describe and analyze 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. Prerequisite: ANTH 2415, and a minimum 2.5 GPA in Anthropology. (WI)

4360 Directed Study. (3-0) A one-semester course of independent study, 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, but only six hours may be applied toward the major.

Advanced-level Anthropology Theory Courses
3301 Principles of Cultural Anthropology. (3-0) This course is an ethnographically-based analysis of major theoretical proposals and debates in contemporary anthropology. Prerequisite: ANTH 1312 and 60 hours of coursework. (WI)

3307 History of Evolutionary Thought. (3-0) This course discusses the impact of evolutionary discourse within the context of its history. Students will develop a thorough understanding of evolution and its importance to anthropology, as well as to other scientific disciplines. Prerequisite: ANTH 2414 and 60 hours coursework. (WI)

3376R Theoretical Concepts in Archaeology. (3-0) This course provides a broad survey of theory in archaeology as it is practiced throughout the world. It includes both historical perspectives and contemporary usage. Prerequisite: ANTH 2415 and 60 hours of coursework. (WI)

3376S Theory in Linguistic Anthropology. (3-0) In this course students will learn about the major theories of linguistic anthropology through reading and discussing classic and contemporary literature. Topics include language evolution, behaviorism, mentalism, structuralism, cognitive anthropology, ethnomethods, universalism and linguistic relativism, symbolic anthropology, culture and gender, language and identity, ethnography of speaking, and language change. Prerequisites: ANTH 1312 or 3302 and 60 hours of coursework.

3410 Theories and Issues in Anthropology. (3-0) This course explores the major theoretical and contemporary developments in anthropology, highlighting the discipline’s unique four-field perspective that includes archaeology, biological and cultural anthropology, and anthropological linguistics. Topics stress the importance of anthropological thought in key scientific discoveries and cultural debates. Prerequisites: ANTH 1312 and 60 hours of coursework. (WI)

Advanced-level Independent Study in Anthropology
3460 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
3490 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)
### 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. 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 from Group C and one or more courses from Group B.
5. Majors must take at least six 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 course 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. Majors are encouraged to take at least two courses from Group C and one or more courses from Group B.

**Junior Year - 1st Semester**

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**Junior Year - 2nd Semester**

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**Senior Year - 1st Semester**

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**Senior Year - 2nd Semester**

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# Bachelor of Arts
## Major in English
### (Two Fields Teacher Certification)
### 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 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 36 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 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 3342, *3354, *3356, *3358, *3360, *3362, *3364, *3366, *3368, *3370, *3380, *3382, *3384, *3386, *3388, *3390, *3392, *3393, *3394).
10. Majors must complete an approved minor.
11. Majors must satisfy general education core curriculum and BA degree requirements.
12. Majors with teacher certification must complete the following education courses: CI 3325, 4332, 4370, 4343, RDG 3323; and EDST 4681 (Student Teaching).
13. Majors must take at least 36 hours of Literature before 1800. Courses that satisfy this requirement are identified by an asterisk (*) in items 7 and 9.
14. ENG 1310 and 1320 are prerequisites to all other English courses.
15. 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.
16. ENG 3301 is required, and majors should take it immediately after completing the sophomore literature requirement.
17. In addition to ENG 3301, majors must complete seven advanced courses. Majors must take at least one advanced course from Groups A 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 3342, *3354, *3356, *3358, *3360, *3362, *3364, *3366, *3368, *3370, *3380, *3382, *3384, *3386, *3388, *3390, *3392, *3393, *3394).

### Bachelor of Arts
## Major in English
### (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 the 120 and/or the 36 advanced total hours required.
5. Majors must take at least 36 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.
10. Majors must complete an approved minor.
11. Majors must satisfy general education core curriculum and BA degree requirements.
12. Majors with teacher certification must complete the following education courses: CI 3325, 4332, 4370, 4343, RDG 3323; and EDST 4681 (Student Teaching).
Bachelor of Arts

Major in English (Professional Writing Emphasis)

Minimum required: 120 semester hours

General Requirements:
1. Major requires 20 hours of English.
2. Majors must satisfy general education core curriculum and BA degree requirements.
3. The number of free electives 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.
4. Majors must complete an approved minor.
5. Majors must take at least 6 hours of literature before 1800. Courses that satisfy this requirement are identified by a asterisk (* ) in items 7 and 9.
6. ENG 1310 and 1320 are prerequisites to all other English courses.
7. Majors will select any 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 3320, 3340, 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 3332, *3354, *4351, *4352, or *4356). The department recommends that students take this course at the end of the major.

Group B-American Literature: 3301, 3302, 3303, 3304, 3305, 3306, 3307, 3311, 3316, 3319, 3320, 3325, 3340, 3342, 3343, 3344, 3345, 3346, 3347, 3435, 4343, 4344.
Group C-World Literature: 3231, 3232, 3233, 3234, 3235, 3236, 3237, 3238, 3239, 3341, 3360, 3365, 3366, 3367, *3368, 3369, 3370, 3392, 3393, 3394.

Group D-Foents, Language, and Writing: 3302, 3303, 3304, 3305, 3306, 3307, 3311, 3316, 3319, 3320, 3325, 3340, 3342, 3343, 3344, 3349, 3391, 4323, 4334, 4344, 4345, 4346.

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 English 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 English 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-Foents, 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 English literature elective; and 9 hours from ENG 3303, 3304, 3305, 3342, 3348, 3349, or 4349.

Students may choose an emphasis in creative writing or professional writing, or they may take both courses in any type 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: MCS 3339 and ENG 3307. Students select the remaining 12 hours from the following courses: ANTH 3309; ARTH 4304; COMG 4307; ENG 3302, 3309, 3316, 3326, 3327, 3329; FCS 3391; GEO 2421, 3426, 4421, 4422, 4426, 4427; MC 3395, 3375, 4301, 4306B 4382I; POSI 4301; SPAN 3309; or TH 3342, 3343.

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. Credit for this course will not count toward any baccalaureate degree offered by the University.

1310 (ENG 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 (ENG 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 of the following two 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 (ENG 2322) British Literature before 1785. (3-0) Representative authors and works of British literature from the beginnings through the Neoclassical Period. (MC) 2320 (ENG 2323) British Literature since 1785. (3-0) Representative authors and works of British literature from the Romantic Period to the present. (MC) 2330 (ENG 2324) 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 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 American Renaissance to the present.

3301 Critical Theory and Practice for Majors. (3-0) Current approaches to literature with attention to reading strategies and artistic conventions and techniques. (Required for majors; open to minors; should be taken immediately after completing the 6-hour sophomore requirement.) (WI) (MC/MP)

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 fields. Emphasis on planning, writing, revising, editing, and proofreading proposals, reports, and other forms of professional communication for a variety of audiences. Computer technology skills integral. (WI)

3304 Professional Writing. (3-0) The principles of expository writing adapted for the workplace. Prepares students in non-technical fields to communicate effectively in professional settings. Students compile a writing portfolio suitable for a job search or for application to professional school. Computer technology included. (WI)

3320 Theory and Criticism. (3-0) This course offers a study of theoretical and critical approaches from Aristotle to the present, applied to literary and visual texts. Repeatable once when topic varies. (WI)

3321 The Short Story. The short story throughout the world since Poe and Gogol. (WI)

3322 The European Novel. (3-0) Major continental novels from Cervantes to the present, read in translation. (WI)

3323 Modern Writing. (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 translated and original language, with attention to historical and cultural context. (WI)

3326 American Drama on Film. (3-0) Major American dramas and the films which have been made from them. (WI)

3328 Types of World Drama in English. (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 mythmaker. Repeatable once, in special situations, when topic varies. (WI)

3331 Literature of Black America. (3-0) African-American poetry, drama, and fiction. (MC) (WI)

3332 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, Modernism, and Modernist Writing. (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 Environmental 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, including instruction in making editorial changes, preparing MSS for typist, making and galley proof; fundamentals of layout and design (typeface, paper, headings, etc.); problems and possibilities in desktop publishing; and the current status of electronic publications. (WI)

3343 Approaches to Literature. (3-0) The study of a single author, e.g. Samuel Beckett, 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 works by U.S. citizens of Mexican descent. (MC) (WI)

3345 Southern Literature: Defining the Region. (3-0) The first two of courses in a broad interdisciplinary survey of geo-political, cultural, social, literary, and political history of the Southwest that emphasizes regional and ethnic expressions of place, place-making in the American Southwest, and their significant role in contemporary Americas. (MC) (WI)

3346 Southern Studies II: Consequences of Region. (3-0) The second of a two-course sequence in a broad interdisciplinary survey of the cultural, social, political, and economic history of the Southwest, emphasizing regional and ethnic expressions of culture in architecture, art, economics, law, literature, and politics. (MC) (WI)

3347 American Poetry. (3-0) Study of American poetry from its beginnings to the present. (WI)

3348 Creative Writing: Poetry. (3-0) A seminar for writers of poetry, with emphasis on creativity, criticism, and revision. Prerequisite: ENG 3315. (WI)

3349 Creative Writing: Prose. (3-0) A seminar for writers of fiction, with emphasis on creativity, criticism, and revision. Prerequisite: ENG 3315. (WI)

3350 American Drama. Study of the drama of the Romantic Age. (MC) (WI)

3352 Medieval English Literature. (3-0) Studies of important non-Chaucerian writers in the Middle Ages, some in modern translations. (MC) (WI)

3353 British Poetry and Prose of the Sixteenth Century. (3-0) Major 16th century writers and their works. (MC) (WI)

3354 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)

3355 Medieval European Literature. (3-0) Studies of Medieval contexts, genres, and writings across Europe. (MC) (WI)

3356 The English Novel. (3-0) Studies of major non-Chaucerian writers of the Middle Ages, some in modern translations. (MC) (WI)

3357 British Poetry and Prose of the Seventeenth Century. (3-0) Poets and prose writers from 1640 to 1700. (MC) (WI)

3358 Shakespeare. (3-0) Selected plays from the earliest through Hamlet. (MC) (WI)

3359 British Poetry and Prose of the Eighteenth Century. (3-0) Poets and prose writers from 1700 to 1800. (MC) (WI)

3361 Chaucer. (3-0) The works of Geoffrey Chaucer and their significance in an important literary and social era. (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 and 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, including plays and radio plays. (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) (MC/MP)

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 research paper 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 World Writers. (3-0) World literature and cultures. (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)

4301 Modern English Language and Literature. (3-0) English syntax as described by traditional, structural, and transformational grammarians, with major emphasis on transformational generative syntax. (MC) (WI)

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 concentration on its intellectual and cultural background, and literary relationships. (WI)

4348 Senior Seminar in Fiction Writing. (3-0) Workshop in writing fiction and evaluating manuscripts. Students produce a novel or a novella for the semester. ENG 3348 (WI)

4349 Senior Seminar in Poetry Writing. (3-0) Workshop in writing poetry and evaluating manuscripts. Students produce a portfolio of creative work. Prerequisite: ENG 3349. (WI)


Department of Geography

Evans Liberal Arts Building 139
T: 512.245.2170 F: 512.245.8353
www.geo.txstate.edu

Degree Programs Offered
BS, major in Geography
BS, major in Geography (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

Certificates Offered
Environmental Interpretation
Geographic Information Systems
Water Resources Policy

Texas State Geography is one of the largest undergraduate programs in the United States. The Journal of Geography, the Association of American Geographers, and a National Program Effectiveness Survey recognizes the Department as one of 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 majors 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 admissions standards enter the undergraduate Geography program as pre-majors. To become majors, students must complete GEO 1309 or 1310, GEO 2410, and GEO 3301 (10 semester hours) with a grade of “C” or higher in each course.

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 faculty and academic advisors can offer detailed program and course information as well as course checklists for each major. Proper academic planning and academic advising leads students toward completing the steps for satisfying graduation requirements.

Academic Programs
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 selecting 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: Complete GEO 1309 or GEO 1310, GEO 2410 & GEO 3301 with grades of “C” or higher in each course.
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, Geography, 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/Core 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).

Certificate:
Environmental Interpretation
Geographic Information Systems
Water Resources Policy

Bachelor's Requirement Chart

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Total: 17

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 selecting 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: Complete GEO 1309 or GEO 1310, GEO 2410 & GEO 3301 with grades of “C” or higher in each course.
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, Geography, 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/Core 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).

Certificate:
Environmental Interpretation
Geographic Information Systems
Water Resources Policy

Bachelor's Requirement Chart

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<td>Natural Science Component</td>
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Total: 17
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: Complete GEO 1309 or GEO 1310, GEO 2410 & GEO 3301 with grades of "C" or higher in each course.
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 electives 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 of additional College/degree requirements, which includes either an additional sophomore English literature course or ENG 3305—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
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### Freshman Year - 2nd Semester

### Sophomore Year - 1st Semester

### Sophomore Year - 2nd Semester

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### Junior Year - 1st Semester

### Junior Year - 2nd Semester

### Senior Year - 1st Semester

### Senior Year - 2nd Semester

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### Bachelor of Science  
Major in Geography  
(Social Studies Composite Teacher Certification: History Minor and Political Science 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 or 4313, 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 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 GEO 4330 with a grade of "C" or better in each of the courses.
3. The third field in Political Science (15 hours) requires completion of the following courses: POSI 2310; and three hours from Group 3 (Public Law) 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.
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. 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 a 2.75 Overall 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 3305—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 130 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 GIS 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 G1 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: Complete GEO 1309 or GEO 1310, OR two courses from GEO 1105, 1309, 1310, and GEO 2410 & GEO 3301 with grades of “C” or higher.
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 2424, 3411, 3416, and 3426. At least one course from GEO 4324, 4411, 4412, 4427. Program Elective Courses: In consultation with an advisor, select from the following courses to complete the requirements: GEO 2420, 2427, 4301, 4302, 4303, 4306, 4328.
4. This major also requires an additional three hours of computer science or three hours of mathematics beyond CIS 1308 or higher, CIS 1323 or higher, Math 1317 or higher. Does not count toward 36 required geography hours.
5. Students select a minor from the approved list of minors. Various minors may be appropriate depending upon a student’s interests and career goals.
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 3301 – 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 (W).

Bachelor of Science
Major in Geography - Resource and Environmental Studies
Minimum required: 120 semester hours

The Resource and Environmental Studies major 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. This major is also a “passport” to graduate study.

General Requirements:
1. All majors must satisfy the pre-major requirements: Complete GEO 1309 or GEO 1310, GEO 2410 & GEO 3301 with grades of “C” or higher in each course.
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: GEO 2310 and/or 3313. At least two from GEO 2321, 3416, 4305, or 4352. Required capstone course: GEO 4313.
5. Geography Techniques Courses – at least one of the following: GEO 2424, 3411, 3416, 4303.
6. Geographical Electives – Select from the following to complete semester hour requirement: GEO 1105/1305, 3303, 3305, 3325, 3329, 3335, 3340, 3341, 3343, 3341, 4316, 4313, 4314, 4326, 4324, 4323, 4331, 4333, 4334, 4336, 4339, 4350, and 4412.
7. Student may select one regional course to satisfy part of their Geography Electives – GEO 3307, 3308, 3309, 3328, 3332, 3333, 4303, 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 3301 – 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 (W).

Bachelor of Science
Major in Geography - Resource and Environmental Studies
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, 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 at Texas A&M, as well as universities outside Texas.

General Requirements:
1. All majors must satisfy the pre-major requirements: 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.
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.
4. Geography Techniques Course – GEO 2424 plus at least one course from the following – GEO 3411, 4316, 4340, 4303.
5. This major also requires an additional three hours of ENG 3301, Technical Writing, with a grade of “C” or higher (Does not count toward the required Geography hours).
6. Geography Required Electives to bring the required Geography hours to 36 – select from the following GEO 2310, 2420, 2427, 3303, 3321, 3322, 3323, 3355, 3340, 3343, 4310, 4313, 4314, 4316, 4338, 4345, 4350, and 4412.
7. Student may select one regional course as a Geography Elective – GEO 3307, 3308, 3309, 3328, 3332, 3333, 4306, 4328.
8. Geography Elective Courses: GEO 3301 with grades of “C” or higher in each course.
9. Geography Elective Courses: GEO 3301 with grades of “C” or higher in each course.
10. 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, 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 at Texas A&M, as well as universities outside Texas.

General Requirements:
1. All majors must satisfy the pre-major requirements: 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.
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.
4. Geography Techniques Course – GEO 2424 plus at least one course from the following – GEO 3411, 4316, 4340, 4303.
5. This major also requires an additional three hours of ENG 3301, Technical Writing, with a grade of “C” or higher (Does not count toward the required Geography hours).

Bacheelor 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: Complete GEO 1309 or GEO 1310, GEO 2410 & GEO 3301 with grades of "C" or higher in each course.
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 BIS 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 1151/1305, 3335 and/or 4316.
   b. Geography Required Techniques Courses (select at least three courses) GEO 2426, 3411, 3416, 3424, 4422, and/or 4423.
   c. Geography Electives (select at least two) GEO 2310, 2420, 2423, 3331, 3434, 4301, 4313, 4314, 4225, 4239, 4335, and/or 4380.
   d. Student may select one regional course as a Geography Elective - GEO 3307, 3308, 3309, 3326, 3322, 3333, 4306, or 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).

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 1300 - 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 GEO 1410, 1420, 2410, and seven hours chosen from ANTH 3338; GEO 3325, 4325; GEOL 3400, 3410, 3430, 3440, 4212, 4520, 4530, or 4421.

Minor in Water Resources Management
Water Studies Required Core Courses – GEO 3305, 3434, 4313, 4314, 4325, 4334 or GEOL 4421, and GEO 4341.

General Requirements
1. All majors must satisfy the pre-major requirements: Complete GEO 1309 or GEO 1310, GEO 2410 & GEO 3301 with grades of "C" or higher in each course.
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 BIS 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, 4325, 4334 or GEO 4421, and GEO 4341.
   b. Geography Required Techniques Course – select one of the following courses – GEO 2426, 3411, 3416, 4303.
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).

Certificate in Geographic Information Science
The Certificate in Geographic Information Science provides the recipient with a working knowledge of Geographic Information Science (GISc) in sufficient detail that they are prepared for professional positions involving the theoretical and applied aspects of implementing and administering a Geographic Information Science.

To the prospective employer, the certificate is a professional endorsement that the recipient has received five university level courses on issues fundamental to the design, implementation, and management of Geographic Information Science. 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 requires 19-20 hours. Student must complete GEO 2426 and GEO 4324 and three courses from GEO 3416, 3424, 4412, 4427, 4428 with no grade less than a “C” and an overall average for the five classes of at least 2.5.

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 Location Analysis
The Texas State Department of Geography Location Analysis Certificate provides the recipient with a focused background to work as location analyst in the public and private sectors. Such professionals can analyze spatial data to identify optimum locations for business and public activities. 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 3350, GEO 3323 & two courses from GEO 3303, GEO 3307, GEO 4326, and GEO 4328 with no grade less than a “C” and an overall average for the four classes at a least 2.5.

The application packet will consist of the following materials:

Certificate application form, Transcripts
Required courses include: GEO 4322, and 12 hours from: GEO 2410, 3333, 3325, 4336, and 4393 (cultural ecology).

The 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.

Note: Certain certificate programs require specific courses. Please consult the Undergraduate Catalog to determine which courses are required for the individual certificate programs.
Certificate in Water Resources Policy

The Texas State Department of Geography Water Policy Certificate provides the student with a foundation in understanding the use of data to visualize relationships, seek explanations and developments to pressing problems. The foundation and theory of GIS will be emphasized. Prerequisite: MATH 1315 or above. (MTH 1315) (WI)

GEO 4310 Introduction to Environmental Geography. (3-0) Introduces World Geography. (3-0) This course stresses the similarities and differences of the major world regions. Emphasis is placed on the human-environmental interaction in a spatial context. (MC) (WI)

GEO 4320 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, including data management, technology assessment, and organizational setting. Prerequisite: GEO 2426 or equivalent.

GEO 4327 Management and Implementation of GIS. (2-4) This course integrates the concepts of spatial, temporal, and thematic data analysis, using and creating Internet content, and data collection, using and creating Internet content, and data analysis and display will be topics in the course.

GEO 4329 Geography of Texas. (3-0) A physical and cultural geography of Texas with special emphasis on human resources and economic activities. (MC)

GEO 4330 Geography of Middle East. (3-0) This course will emphasize the formation, use, conservation, and distribution of water and the role of water in countries of the Middle East. Special emphasis will be on water resources management and policy. (MC) (WI)

GEO 4341 Advanced GIS. (2-4) This course builds on the principles introduced in GEO 2410 and GEO 2420 and focuses on the technical aspects involved in spatial data handling, analysis, and modeling. Prerequisite: "C" or better in MATH 1315 or above (excluding MATH 1316) and GEO 2410 or GEO 2420 or equivalent.

GEO 4350 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.

GEO 4360 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.

GEO 4370 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.

GEO 4380 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.

GEO 4390 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.

GEO 4408 Geography of the Southeast. (3-0) Through 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 environmental policy. (MC)

GEO 4417 Cultural Ecology. (3-0) Cultural ecology employs concepts of culture formation/change and biological ecology, with an emphasis on the processes of adaptation. It provides a holistic understanding of human-nature relationships by examining the co-evolution of agrarian cultures as well as modern cultures as they relate to their biophysical environment. Prerequisite: junior or senior standing. (WI)
4310 Regional Field Studies. (3-0) Observation, description, and analysis of a geographical environment based upon a field study in the area. May be repeated once, provided the second study is in a different region, for a total of six semester hours. (WI)

4313 Environmental Management. (3-0) This course provides an analysis of the causes of environmental problems and solutions 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 decision-making processes. Prerequisite: "C" or higher in GEO 2410 and junior or senior status. (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 upon 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 every other year. Prerequisite: GEO 2410 with a grade of "C" or higher.

4317 Cities and Urban Development. (3-0) This course emphasizes the relationships between design and urban landscapes. It analyzes urbanization and provides a critical appraisal of the role of design and cultural material in shaping urban environments. Prerequisite: Geo 3310 with a "C" or higher and junior or senior status.

4322 Interpretive Environmental Geography. (3-0) Students learn how to interpret and interpret environmental information to audiences ranging from park visitors to professional conferences. Interpretive themes are drawn from geographic concepts including the physical and cultural landscapes. Techniques emphasize effective use of traditional and digital presentation methods. (WI)

4324 GPS and GIS. (2-2) Students will learn to plan and conduct field work using the Global Positioning System (GPS) to differentially correct GPS data, and to build Geographic Information Systems (GIS) applications using GPS technology. The course is project-based and involves working with external clients. Prerequisite: "C" or higher in GEO 2426.

4325 Fluvial Processes. (3-0) Students analyze modern principles of river processes and forms within a geographical perspective. Case study methodologies are used to analyze the fluvial channels with an emphasis on quantitative geographic evaluation of their processes. The course emphasizes natural scientific perspectives and includes linkages to ecology, engineering, and archaeology.

4330 Structural Geology. (3-3) Description, classification, and origin of Earth structures and the stresses involved in their formation. An introduction to the interpretation of geologic data for mapping and field research in the local area. Prerequisites: GEO 2410 and 3301 with a grade of "C" or higher. (WI)

4355 Geography of Crime. (3-0) This course provides understanding of geographical aspects of crime and criminal behavior. Students will develop a geographic perspective, and study models explaining and predicting crime spatial patterns. Computer exercises give students hands on experience on crime pattern analysis.

4360 Transport Planning. (3-0) This course is an on-the-job learning experience in the public or private sector workplace. Refer to http://www.geo.texasstate.edu/resources/internship-jobs/internship-for-credit-program.html for requirements and applications. Prerequisite: "C" or higher may be repeated one time for additional internship credit.

4370 Independent Study. (3-0) Individual study under direct superintendence 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.

4383 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.

4390 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. Course study requests must be approved by the instructor. Prerequisite: GEO 3416 or equivalent with a grade of "C" or higher.

4422 Web Mapping. (2-4) The course introduces students to modern technologies that allow internet-based cartographic representations of geographical aspects of crime and criminal behavior. Students will examine the design and implementation of professional grade maps. Theoretical concepts and principles will be applied to the literature in transportation geography and methods of transportation analysis.

4430 Paleontology and Biostratigraphy. (3-3) Identification and classification of strata into stratigraphic units. Prerequisite: "C" or higher in GEOL 2410. (WI)

4431 Historical Geology. (3-2) A continuation of the course of geology of the Upper Cenozoic time. Prerequisite: "C" or higher in GEOL 1404.

4440 Petrology. (3-3) An introduction to 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 higher in GEO 2410. (WI)

4450 Environmental Management. (3-0) This course provides an analysis of the causes of environmental problems and solutions 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 decision-making processes. Prerequisite: GEO 2410 with a grade of "C" or higher. (WI)

4461 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 quality maps. Theoretical and practical aspects will be introduced using practical examples and written assignments. Prerequisite: GEO 3411 with a grade of "C" or higher.

4470 Digital Terrain Modeling. (3-2) The course focuses on the mapping, transformation, measurement, visualization, and applications of digital elevation models in Geography. Prerequisite: GEO 3416 or equivalent with a grade of "C" or higher.

4472 Geographic Information Systems. (3-2) An introduction to the digital image processing of satellite scenes including restoration, enhancement, classification, change detection, and mapping for environmental monitoring and inventorying. Prerequisites: GEO 3416 or equivalent with a grade of "C" or higher. (WI)

4473 Field Geology. (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. Prerequisites: Approval of instructor. (WI)

4520 Topics in Field Geology. (1-0) On-site directed investigations of geological locations remote from campus. Prerequisites: GEO 1410 and 1420 with a grade of "C" or higher.

4530 Application of practical geo- logical laboratory and field methods to environmental,
Department of History

Taylor-Murphy 202
T: 512.245.342 F: 512.245.3043
www.txstate.edu/history

**Degree Programs Offered**

**BA, major in History**

BA, major in History (Teacher Certification, Single Teaching Field)

BA, major in History (Teacher Certification, Two Teaching Fields)

BA, major in History (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.

Prerequisites: NHT 4301.

**4300 Internship in Nature and Heritage Tourism. (0-10)**

Students will work in private or public sector settings to gain practical experience within the context of current literature. Internships must be taken from any one group.

**4301 Planning and Development of Nature and Heritage Tourism. Courses in Nature and Heritage and Tourism (NHT)**

Particular emphasis is placed on locational analysis, site analysis, and planning for sustainable use. Prerequisite: NHT 4301.

**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. Prerequisite: "C" or better in GEOL 1420 and CHEM 1141 and 1341.

**Courses in Nature and Heritage and Tourism (NHT)**

**4300 Internship in Nature and Heritage Tourism. (0-10)**

Students will work in private or public sector settings to gain practical experience within the context of current literature. Internships must be taken from any one group.

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Bachelor of Arts
Major in History
(Certificate-Single Field Teacher)
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. 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. EDST 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, COMM 1310, MATH, PHIL 1305 or 1320, and all Education courses must be completed with a grade of C or higher in addition to a 2.5 GPA in the teaching field.
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, 4333, 4370, 4380, and EDST 4681 (student teaching).
8. To be accepted into the Teacher Preparation program, students must apply and they must have a 2.75 overall GPA. Students should apply to the program the semester before they plan to take any CI courses.

Group A (World History): 3319; 3320; 3322; 3324; 3325; G, H; 3326; 3327; 3328; 3368F; J, J 4325; 4326; 4327; 4328; 4332; 4334; 4342; 4344; 4346; 4347; 4348A; B, F, E, J, K, L, N, O, P, R, 4368; 4369; 4372; 4388 (All 3 groups according to topic).

Group B (European History): 3310; 3311; 3312; 3313; 3314; 3315; 3316; 3365; 3368B; 4304; 4307; 4347; 4318A; H, G, 4369B, P, R; 4320; 4333; 4335; 4337; 4342; 4348; 4349A (A 3 groups according to topic).

Group C (U.S. History): 3329; 3340; 3341; 3342; 3343; 3344; 3346; 3352; 3355; 3356; 3363; 3365; 3368B, B, D, F, E, J, K, L, M, N, O, P, R, S, T; 3368Y, Z; 3372; 3373A, B, C, 3375A, 3378, 3380; 4361; 4363; 4364; 4365; 4367; 4368; 4372; 4375A, B; 4376; 4388 (All 3 groups according to topic); 4390.

Minimum required: 132 semester hours

Bachelor of Arts
Major in History
(Certificate-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. EDST 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, ENG 1310 and 1320, COMM 1310, MATH, PHIL 1305 or 1320, and all 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, 4333, 4370, 4380, and EDST 4681 (student teaching).
8. To be accepted into the Teacher Preparation program, students must apply and they must have a 2.75 overall GPA. Students should apply to the program the semester before they plan to take any CI courses.

Group A (World History): 3319; 3320; 3322; 3324; 3325; G, H; 3326; 3327; 3328; 3368F; J, J 4325; 4326; 4327; 4328; 4332; 4334; 4342; 4344; 4346; 4347; 4348A; B, F, E, J, K, L, N, O, P, R, 4368; 4369; 4372; 4388 (All 3 groups according to topic).

Group B (European History): 3310; 3311; 3312; 3313; 3314; 3315; 3316; 3365; 3368B; 4304; 4307; 4347; 4318A; H, G, 4369B, P, R; 4320; 4333; 4335; 4337; 4342; 4348; 4349A (A 3 groups according to topic).

Group C (U.S. History): 3329; 3340; 3341; 3342; 3343; 3344; 3368B, B, D, F, E, J, K, L, M, N, O, P, R, S, T; 3368Y, Z; 3372; 3373A, B, C, 3375A, 3378, 3380; 4361; 4363; 4364; 4365; 4367; 4368; 4372; 4375A, B; 4376; 4388 (All 3 groups according to topic); 4390.

Minimum required: 132 semester hours
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, 2340, and 15 hours of advanced HST 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 (10 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. All required course work must be completed before student teaching (EDST 4681). Course work related to the teaching field, ENG 1310 and 1320, COMM 1310, MATH, PHI 1305 or 1310, 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.
6. 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 4322, 3325, 4334, 4335, RSD 3325, and EDST 4681 (student teaching).
7. To be accepted into the Teacher Preparation program, students must apply and they must have a 2.75 overall GPA. Students should apply to the program the semester before they plan to take any CI courses.

Bachelor of Arts
Major in Geography
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, Physical Science, and Geography third field requires 30 hours of History, including HIST 1310, 1320, 2311, 2312, 4300, and 15 hours of advanced HST 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 Philosophy (15 hours) requires the following: PHI 1305 or 1320; 4300; 4320; 6 hours from Group 2 (Psychology); 6 hours from Group 3 (Social Science) selected from: POSI 3310, 3311, or 4311.
5. All required course work must be completed before student teaching (EDST 4681). Course work related to the teaching field, ENG 1310 and 1320, COMM 1310, MATH, PHI 1305 or 1310, 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.
6. 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 4322, 3325, 4334, 4335, RSD 3325, and EDST 4681 (student teaching).
7. To be accepted into the Teacher Preparation program, students must apply and they must have a 2.75 overall GPA. Students should apply to the program the semester before they plan to take any CI courses.

Bachelor of Arts
Major in Political Science
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, and Geography third field requires 30 hours of History, including HIST 1310, 1320, 2311, 2312, 4300, and 15 hours of advanced HST 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 Philosophy (15 hours) requires the following: PHI 1305 or 1320; 4300; 4320; 6 hours from Group 2 (Psychology); 6 hours from Group 3 (Social Science) selected from: POSI 3310, 3311, or 4311.
5. All required course work must be completed before student teaching (EDST 4681). Course work related to the teaching field, ENG 1310 and 1320, COMM 1310, MATH, PHI 1305 or 1310, 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.
6. 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 4322, 3325, 4334, 4335, RSD 3325, and EDST 4681 (student teaching).
7. To be accepted into the Teacher Preparation program, students must apply and they must have a 2.75 overall GPA. Students should apply to the program the semester before they plan to take any CI courses.
Minor in History
A minor in History requires 24 semester hours which includes 12 hours of survey courses, 4 hours of history electives, and 8 hours of 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 2310, 2320, three advanced hours of Group A (World History), three advanced hours of 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 2320 or 23H and 2320 or 23H are open to all students regardless of classification. However, it must be understood that HIST 2320 or 23H and 2320 or 23H will not satisfy the legislative requirement in American Studies. Students majoring in fields other than history would be well advised to begin with HIST 2310 or 2320.

1310 (HIST 1310) 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/PI) (WI)
1320 (HIST 1302) History of the United States, 1877 to Date. (3-0) A general survey of the history of the United States since 1877. (MC/PI) (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 2324) 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 Brazil 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 colonies 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 the 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 and possibilities. (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)
3326 Special Topics in Latin American History. (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 criteria 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. (MC) (WI)
3327 Special Topics 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 revolutions and to come to an understanding of the current problems facing Latin America. (WI)
3328 Special Topics in Latin American History. (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 economies. It further discusses the several economic models and the political economy of Latin America and how the economy and its development have been affected by these economies and the differentiation of these economies at the end of the twentieth century. (WI)
3329 Special Topics in Latin American History. (3-0) A topical survey of Argentine, Chile, Brazil, and Peru. Emphasis is placed on the political balance, geopolitical interests, and forces of com- modity and division that have influenced this region since the colonial period. (MC) (WI)
3330 History of Mexico to 1848. (3-0) A survey of Mexico from prehistoric times to the Treaty of Guadalupe Hidalgo. (MC) (WI)
3331 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 B credit.) (MC) (WI)
4318 A History of the Middle East. (4-0) 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 eco- nomic agendas, and military developments that fanned the flames of open hostilities. (WI)
4325 Islamic History to 1798. (3-0) This course explores the his- tory and culture of the Islamic peoples of 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 Shari'a law. (MC) (WI)
4326 The Modern Middle East. (3-0) This course emphasizes social economic and intellectual developments in the Arab Middle East and North Africa from 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 were reviewed. The Palestinian self-govern- ment, and the "intifada," also will be examined. (MC) (WI)
4328 History of India. (3-0) This course is designed to introduce students to India from ancient times to the creation of the modern nation. The course will be taught in different semesters each year. (MC) (WI)
4330 Modern China. 1600-1917. (3-0) The course will be taught in different semesters each year. (MC) (WI)
4331 Modern China. 1917-1949. (3-0) The course will be taught in different semesters each year. (MC) (WI)
4332 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/PI) (WI)
4333 Modern China, 1949-present. (3-0) This course will be taught in different semesters each year. (MC) (WI)
4334 History and Culture of Modern India (1500-Present). (3-0) This course features an intensive survey of the history of modern India. (MC) (WI)
4335 Gender & Militarization in the Arab World. (3-0) For women and men in the modern Arab world, national identi- ty and sovereignty -- or civil war -- influence how they live. This course explores the development of new models of warfare in the twentieth-century Middle East to hone students' skills in historical analysis. (WI)
4336 History of Southeast Asia. (3-0) This course will be taught in different semesters each year. (MC) (WI)
4337 History of the Middle East. (3-0) This upper-division course considers three of the nation-states of the Middle East: Israel, Jordan, and Lebanon. (MC) (WI)
4338 Multinational Corporations in the Arab World. (3-0) This upper-division course considers the history, development, and role of MNC's in the Arab world. (MC) (WI)
5345D Empire and Identity in Central Asia (3-0) This course focuses on 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 of the former Soviet Union. (MC) (WI)
5345E 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 discrimination and resistance of social norms. The course strengthens analytical skills through extensive discussion and writing. (WI)
5345F Postwar Japan. (3-0) This course explores Japan's develop- ment during and after World War II (1950-1970). Emphasis is on the continuities and discontinuities from the wartime to the postwar regime, American influence on policies and dis-courses on post-colonial society, the legacies of the war in civil society, and the repercussions of economic influence. (WI)
5345G History and Culture of Modern India (1500-Present). (3-0) This course features an intensive survey of the history of modern India. (MC) (WI)
5345K Gender & Militarization in the Arab World. (3-0) For women and men in the modern Arab world, national identi- ty and sovereignty -- or civil war -- influence how they live. This course explores the development of new models of warfare in the twentieth-century Middle East to hone students' skills in historical analysis. (WI)
5345L History of Southeast Asia. (3-0) This course will be taught in different semesters each year. (MC) (WI)
5345M The 20th Century Middle East: Syria, Iraq, and Palestine. (3-0) This upper-division course covers the Middle East from the early 20th century until 1967, the year the Six-Day War ended the war between Israel and its Arab neighbors. Students read a general history of the region in support of additional readings that offer in-depth discussion of specific issues. (MC) (WI)
5345N History of Indo-China. (3-0) This course explores the themes of diffusion, acculturation, hybridity, accommodation, and resistance in the history of Mainland Southeast Asia (also known as Indochina). The region, which has been site of significant interaction with the larger world since ancient times, consists of Thailand, Cambodia, Laos, Vietnam, penin- sualle and Malaysia. (MC) (WI)
5345O European Colonial. (3-0) This readings course explores the development of worldwide colonial systems since the fif- teenth century. Emphasis will be given to how native peoples resisted the European attempts to introduce economic, political, and cultural prerogatives in a variety of world set-tings such as South and Southeast Asia and North and South America. May be taken for either Group A or Group B credit. (MC) (WI)
5345P Postwar Japan. (3-0) This course explores the history and culture of Japan from 1945 to 1960. Emphasis is placed on the role of the United States in Japan's postwar history. (MC) (WI)
4373 Economic and Social History of the Americas. (3-0) (MC) (WI) This course will consider how labor and politics introduce state regulations to gender, national and sexual identities. (WI)

4374 Introduction to Ethnohistory. (3-0) This course familiarizes students with the ethnohistorical method, a multidisciplinary approach to the study of culture, social, and cultural processes undergone by indigenous peoples before, during, and after contact with nation-states. (WI)

4375 Economic and Social History of the Americas. (3-0) This course will examine the impact of Western Europe on the development of African colonies from c. 1640 to present. Themes to be considered include: the impact of the slave trade, the Mfecane, European penetration and conquest of Africa, African resistance, the rise of the European Union. (MC) (WI)

4376A Daily Life in the Roman Empire. (3-0) A survey of the various aspects of daily life of the ancient Romans. (WI)

4376B Western Europe and the Development of Modern Africa (3-0) The course will examine the impact of Western Europe on the development of African colonies from c. 1640 to present. (MC) (WI)

4381 European History. 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)

3341 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)

3342 History of the United States, 1914-1945. (3-0) The study of American history from World War I through World War II and the immediate post-war period with an emphasis on the Second World War. (MC) (WI)

3344 Economic History of the United States. (3-0) Economic history of the United States from the year 1607 to the present. (MC) (WI)

3345 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 that have influenced contemporary American culture. (WI)

3346 Economic History of the United States. (3-0) Economic history of the United States from the colonial times to the present. (WI)

3381 Civil War and Reconstruction. (3-0) The history of the United States from the Compromise of 1850 through the election of 1876. (MC) (WI)

3382 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. (MC) (WI)

3383 The Space Race. (3-0) This course traces the history of space exploration, focusing on the competition between the United States and Russia that culminated in the launching 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)

3384 American Diplomatic History. (3-0) This course examines the history of specific expressive, popular, and symbolic forms of US culture in shaping American intellectual
3369L History of Mexican American Music in the Southwest. (3-0) This course 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 Iberian 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) This course will explore popular 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)

3367L History of U.S. Foreign Policy. (3-0) This is an advanced course on the history of U.S. foreign policy in Indochina, especially Vietnam and Cambodia.

3366U U.S. Foreign Relations from Revolution to Reconstruction. (3-0) This course in diplomatic history explores the philosophical, social, and legal aspects of the diplomatic relations of the United States, and development of the leading principles of foreign policy in the early American Republic. These studies are then set within the context of analysis via several geo-political models. (WI)

3368P The U.S. and Britain in the Stresses. (3-0) This course discusses the political culture that emerged during the "long 1960s" (1955-1975). Students will examine key events in each country separately before focusing on the commonalities and differences. Special attention will be paid to the transfer of movements across the Atlantic. (WI)

3368Q History of Professional Baseball, 1869-1994. (3-0) This course will trace the transformation of baseball from a game rather than a business by spectators and participants, not only reflected American culture but also represented the American Dream to both native born and immigrant. Major themes to be addressed include immigration, racism, westward migration, and owner/player/government relations. (WI)

3368R History of Rock and Roll. (3-0) This course traces the various ethnic, social, cultural, political, and economic, and demographic forces in American society that helped shape rock and roll music. Students will also explore how this uniquely American cultural idiom mirrors the historical evolution of the United States in the second half of the twentieth century. (WI)

3368S History of Music and Race in the American South. (3-0) This course examines the complex processes of the emergence of the American South, including language, gospel, jazz, folk, country, blue grass, Cajun, zydeco, rockabilly, and others, the interaction of larger social, historical, ethnic, racial, and political forces in that region from the eighteenth century to the present. (WI)

3368T American Songbook. (3-0) This course examines the music of America from the colonial era to the 1960s. By exploring songs as primary means of communication students will analyze lyrical themes that illuminate historical trends from diverse perspectives. Beginning with British America, the course traces musical contributions of many demographic groups that comprise American society.

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)

3369L 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 biographies, memoirs, film, literature, and monographs we will explore patterns 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 Imprints of History: U.S. Indigenous Experiences. (3-0) This course focuses 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 both immigrants and native-born Americans struggled to reconcile often conflicting notions of ethnic identity and national loyalty. Particular emphasis will be given to the ways in which women students evaluate the impact of immigration and ethnicity on American society. (MC/WM)

3370 The Tools and Techniques of Historical Research and Writing. (3-0) A course designed to introduce students to the fundamental research and writing techniques of historical scholarship. (WI)

3372 Texas History: A Survey. (3-0) A one-semester survey of Texas History which will emphasize political, economic and social developments from prehistory to the twentieth century. (MC/WM)

3373 Special Topics in American Women's History. (3-0) Topics and instructors will vary. May be repeated for credit with a different emphasis. (MC/WM)

3373A Women as a Force in American History (3-0) This course surveys the ways in which 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. Women's activities are analyzed within the context of a multicultural, patriarchal society, and the major factors of American imperialism. Implications for women's future roles in society are explored. May be repeated for credit with a different emphasis. (MC/WM)

3373B Women as a Force in American History (3-0) This course surveys the ways in which 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. Women's activities are analyzed within the context of a multicultural, patriarchal society, and the major factors of American imperialism. Implications for women's future roles in society are explored. May be repeated for credit with a different emphasis. (MC/WM)

3374A Women as a Force in American History (3-0) This course surveys the ways in which 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. Women's activities are analyzed within the context of a multicultural, patriarchal society, and the major factors of American imperialism. Implications for women's future roles in society are explored. May be repeated for credit with a different emphasis. (MC/WM)

3374B Women as a Force in American History (3-0) This course surveys the ways in which 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. Women's activities are analyzed within the context of a multicultural, patriarchal society, and the major factors of American imperialism. Implications for women's future roles in society are explored. May be repeated for credit with a different emphasis. (MC/WM)

3375 Mexican American History. (3-0) A survey of the political, economic, and social-cultural role of the Mexican-American in U.S. society from the era of the Spanish colonization to the present. (WI)

3375 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)

3375A Critical Issues in Texas History. (3-0) Emphasis will be on significant critical issues in Texas history. Topics treated are Mexican independence, Texas and U.S. expansion, the Texas Revolution and the Mexican War, the Civil War and Reconstruction, Slindereumping, the Depression and WWII, and modern Texas. (WI)

3375B 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 race, mixing and economic opportunity. (WI)

3376 The Mexican-American Experience: A Survey. (3-0) A study of the determinates and determination of the evolution of music in Texas and the American Southwest, emphasizing how music reflects the richly diverse ethnic and cultural heritages of society. Among the subjects to be covered throughout American history, with an emphasis on how blues music reflects the rich and complex traditions of the Mexican-American community and helped give birth to rock & roll.

3377 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/WM)

3378 History of the Blues. (3-0) This course examines the evolution of country music and how it reflects larger social, cultural, historical, ethnic, political, and economic factors designed to promote labor peace and stabilize industrial relations. (MC/WM)

3380 History of the West. (3-0) A study of the region and the people of the American West before, during, and after the Civil War – mid 20th century period. (WI)

3381 History of Art. (3-0) This course traces the artistic development of the Western world from prehistoric times through the present. (WI)

3382A Topics in 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. The study examines the experiences of organized and unorganized workers with respect to the contexts of political, economic, and social development. (MC/WM)

3382B U.S. Women's History (3-0) Study of the diversity of women's experiences 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. Women's activities are analyzed within the context of a multicultural, patriarchal society, and the major factors of American imperialism. Implications for women's future roles in society are explored. May be repeated for credit with a different emphasis. (MC/WM)

3382C The History of Rural Women. (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. Women's activities are analyzed within the context of a multicultural, patriarchal society, and the major factors of American imperialism. Implications for women's future roles in society are explored. May be repeated for credit with a different emphasis. (MC/WM)

3383 Problems in American 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. (MI)

3387 History Practicum. (3-0) Researching, Writing, and Publishing Local History. This course will involve students in researching, writing, and publishing short historical guides or 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 (Certification Preparation)

4380 Social Studies Resources and Practices. (3-0) This course is required of all 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. Students
Department of Modern Languages

Centennial Hall 214
T: 512.245.2560 F: 512.245.8298
www.modlang.texastate.edu

Degree Programs Offered
BA, major in French
BA, major in German
BA, major in Spanish
BA, major in French (Teacher Certification)
BA, major in German (Teacher Certification)
BA, major in Spanish (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 interchange of information, ideas, and transactions. Career opportunities in such diverse fields as interpretation, international

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 (1440 and 1442) before beginning 2310.

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 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
Course Hr Course Hr Course Hr
COMM 1310 3 HIST 1310 3 PHIL 1305 or 1230 3
ENG 1310 3 ENGL 1320 3 ENGL Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360) 3
US 1100 1 MATH 1315 or higher 3 MATH 1315 or higher 3
PSIS 2310 3 FR 1420 3 FR 2310 3
FR 1410 3 PFW 1 Natural Science Component 3
Total 15 Total 14 Total 15 Total

Bachelor of Arts
Major in French (40-49 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 3320, 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
Course Hr Course Hr Course Hr
COMM 1310 3 HIST 1310 3 PHIL 1305 or 1230 3
ENG 1310 3 ENGL 1320 3 ENGL Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360) 3
US 1100 1 MATH 1315 or higher 3 MATH 1315 or higher 3
PSIS 2310 3 Minor 3 Minor 3
FR 1410 3 FR 1420 3 FR 2310 3
PFW 1 PFW 1 Natural Science Component 3
Total 15 Total 17 Total 18 Total

Bachelor of Science
Degree Programs Offered
Bachelor of Science in Chemistry, Physics, and Mathematics

General Requirements:
1. Majors must complete 30 hours in upper division courses in Chemistry, Physics, and Mathematics.
2. A minor must be completed.

Junior Year - 1st Semester
Course Hr Course Hr Course Hr
MATH 1315 or higher 6 Minor 6 Minor 3
ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360) 6
Total 12 Total 12 Total

Junior Year - 2nd Semester
Course Hr Course Hr Course Hr
MATH 1315 or higher 6 Minor 6 Minor 3
ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360) 6
Total 12 Total 12 Total

Senior Year - 1st Semester
Course Hr Course Hr Course Hr
HIST 1320 3 Math 3 Math 3
POSI 2320 3 Minor 3 Minor 3
Total 15 Total 15 Total

Senior Year - 2nd Semester
Course Hr Course Hr Course Hr
HIST 1320 3 Math 3 Math 3
POSI 2320 3 Minor 3 Minor 3
Total 15 Total 15 Total
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.

<table>
<thead>
<tr>
<th>Freshman Year - 1st Semester</th>
<th>Freshman Year - 2nd Semester</th>
<th>Sophomore Year - 1st Semester</th>
<th>Sophomore Year - 2nd Semester</th>
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<tbody>
<tr>
<td>Course</td>
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<td>Course</td>
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<tr>
<td>COMM 1310</td>
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<td>US 1100</td>
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<td>MATH 1315 or higher</td>
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<tr>
<td>POSI 2310</td>
<td>3</td>
<td>ENGL 1320</td>
<td>3</td>
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<tr>
<td>GER 1410</td>
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<td>ENGL 1320</td>
<td>3</td>
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<tr>
<td>PFW</td>
<td>1</td>
<td>ENGL 1320</td>
<td>3</td>
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<tr>
<td>Total</td>
<td>15</td>
<td>Total</td>
<td>14</td>
</tr>
</tbody>
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Bachelor of Arts
Major in German (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, 4334, 4337, RDS 3323, and EDST 4681 (student teaching). The education sequence course work must be completed before student teaching.

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 3309 (prerequisite to all other upper division courses); SPAN 3308 (prerequisite to all other upper division courses in literature); SPAN 4340; three courses from SPAN 3301, 3302, 3305, 3306, 3310, 3311, 3312, 3310, 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.

<table>
<thead>
<tr>
<th>Freshman Year - 1st Semester</th>
<th>Freshman Year - 2nd Semester</th>
<th>Sophomore Year - 1st Semester</th>
<th>Sophomore Year - 2nd Semester</th>
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</thead>
<tbody>
<tr>
<td>Course</td>
<td>Hr</td>
<td>Course</td>
<td>Hr</td>
</tr>
<tr>
<td>COMM 1310</td>
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<td>HIST 1310</td>
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<tr>
<td>ENG 1320</td>
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<td>ENGL 1320</td>
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<tr>
<td>US 1100</td>
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<td>MATH 1315 or higher</td>
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<tr>
<td>POSI 2310</td>
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<td>ENGL 1320</td>
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<td>PFW</td>
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<td>ENGL 1320</td>
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<tr>
<td>Total</td>
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<td>Total</td>
<td>14</td>
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</tbody>
</table>

Bachelor of Arts
Major in Spanish (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 3309 (prerequisite to all other upper division courses); SPAN 3308 (prerequisite to all other upper division courses in literature); SPAN 4340; three courses from SPAN 3301, 3302, 3305, 3306, 3310, 3311, 3312, 3310, 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.

<table>
<thead>
<tr>
<th>Freshman Year - 1st Semester</th>
<th>Freshman Year - 2nd Semester</th>
<th>Sophomore Year - 1st Semester</th>
<th>Sophomore Year - 2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course</td>
<td>Hr</td>
<td>Course</td>
<td>Hr</td>
</tr>
<tr>
<td>ART, DAN, MUI, or TH 2313</td>
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<td>SPAN upper division hours</td>
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<tr>
<td>Minor</td>
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<td>Electives as needed</td>
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</tr>
<tr>
<td>BA Science Requirement</td>
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<td>GER upper division hours</td>
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<tr>
<td>Minor</td>
<td>6</td>
<td>Electives as needed</td>
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</tr>
<tr>
<td>Total</td>
<td>15</td>
<td>Total</td>
<td>14</td>
</tr>
</tbody>
</table>
### Bachelor of Arts

#### Major in Spanish (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 2308 (prerequisites to all other upper division courses); SPAN 2309 (prerequisite to all other upper division courses in literature); SPAN 4340; SPAN 3310 or 3311; 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 4301, CI 3325, 4332, 4343, 4370, RDG 3322; 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.

#### Courses in American Sign Language (ASL)

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>1410 (SIGN 1410) Beginning American Sign Language I. (4-1) Introduction to 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.</td>
</tr>
<tr>
<td>1420 (SIGN 1420) 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.</td>
</tr>
</tbody>
</table>

**Courses in Arabic (ARB):**

#### 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/

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>1410 (ARB 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 ARAB 1410.</td>
</tr>
<tr>
<td>1420 (ARB 1412) Beginning Arabic II. (3-1) Continued practice in listening, speaking, reading, and writing skills within an Arabic cultural framework.</td>
</tr>
</tbody>
</table>

**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/

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>1410 (CNS 1411) Beginning Chinese I. (4-1) Introduction to listening, speaking, reading, and writing within a Chinese cultural framework. Students who begin Chinese 1410 toward degree requirements must also complete 1420.</td>
</tr>
</tbody>
</table>

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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>1420 (CNS 1420) Intermediate Chinese II. (3-0) Continued practice in listening, speaking, reading, and writing skills within a Chinese cultural framework.</td>
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</tbody>
</table>

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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>1430 (CNS 1430) Intermediate Chinese III. (3-0) Continued development and review of all language skills within a Chinese cultural framework.</td>
</tr>
</tbody>
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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>1440 (CNS 1440) Advanced Chinese I. (3-0) More advanced practice in all language skills with greater emphasis on reading within a Chinese cultural framework.</td>
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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>1450 (CNS 1450) Advanced Chinese II. (3-0) More advanced practice with different content.</td>
</tr>
</tbody>
</table>
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. Students who begin GER 1410 toward general education requirements must also complete 1420. (MC)

2310 (GERM 2311) Intermediate German I. (3-0) Continued development and review of all language skills within a German cultural framework. (MC) (WI)

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) (WI)

3306 Masterpieces of French Literature. (3-0) Masterpieces of French literature in various genres from different periods with emphasis on style. Students who begin FR 1301 toward general education requirements must also complete 1302. (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 monologues and dialogues from the classical to the contemporary period. (MC)

3310 French Pronunciation and Intonation. (3-0) Study and practice of intonation in French with emphasis on the development of pronunciation, speaking, reading, and writing skills within a French cultural framework. (MC)

3315 Improving German Communication Skills. (3-0) Extensive practice in all language skills with greater emphasis on speaking within a German cultural framework. (MC) (WI)

3320 (IT AL 2312) Intermediate Italian II. (3-0) More advanced practice in all language skills with greater emphasis on reading within a German cultural framework. (MC) (WI)

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. (MC)

3303A Advanced German Grammar. (3-0) A study of the morphology and syntax of the German language. May be repeated once with different emphasis for additional credit. (MC)

3309B Advanced German Grammar. (3-0) A study of the grammar of the German language designed to strengthen oral and written command of the language. Collateral readings and reports in German may be repeated once with different emphasis for additional credit. (MC)

3308 Advanced German Grammar. (3-0) An advanced course designed to develop the skills needed to succeed in the complex grammatical structures and syntax of German. May be repeated once with different emphasis for additional credit. (MC)

4390 Independent Study in Applied Linguistics and Language Learning. (3-0) A study of special problems in applied linguistics and language learning. Students who begin GER 4310 toward general education requirements must also complete 4320. (MC)

Courses in Italian (ITAL)

Note: 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 Italian I. (3-0) Introduction to reading and writing skills in Latin with a Latin cultural framework. (MC)

1420 Beginning Italian II. (3-0) Continued practice in reading and writing skills in Latin with a Latin cultural framework. (MC)

2310 (IT AL 2311) Intermediate Italian I. (3-0) Continued development and review of all language skills within an Italian cultural framework. (MC)

2320 (IT AL 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. (MC)

Courses in Japanese (JAPA)

1410 (JAPA 1411) Beginning Japanese I. (3-1) Continued practice in 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)

Courses in Spanish (SPA)

1302 Beginning Spanish Writing and Grammar. (3-0) A writing intensive course designed to strengthen students' knowledge of the structure of Spanish and written command of the language. May be repeated once with different emphasis for additional credit. (MC)

4308 Advanced Spanish for Business. (3-0) An advanced course designed to develop the skills needed to succeed in the complex grammatical structures and syntax of Spanish. 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. (3-0) Introduction to reading and writing skills in Latin with a Latin cultural framework. (MC)

1420 Beginning Latin II. (3-0) Continued practice in reading and writing skills in Latin with a Latin cultural framework. (MC)

2310 (LAT 2311) Intermediate Latin I. (3-0) Continued practice in reading and writing skills in Latin with a Latin cultural framework. (MC)

2320 (LAT 2312) Intermediate Latin II. (3-0) More advanced practice in all language skills with greater emphasis on reading within a Latin cultural framework. (MC)

3308 Latin Civilization. (3-0) An examination of the development of Latin and the forces that have shaped modern Romance, Mediterranean, and Latin American languages. (MC)

3307 Latin Grammar and Syntax. (3-0) An examination of major literary works representing the major genres and periods of Latin literature. The course may be repeated once with different content for additional credit. Prerequisite: consent of instructor. (MC)

3306 Latin Civilization. (3-0) An examination of the development of Latin and the forces that have shaped modern Romance, Mediterranean, and Latin American languages. (MC)

3304 Advanced Latin Composition. (3-0) A course designed to strengthen students' knowledge of the structure of Latin and written command of the language. May be repeated once with different emphasis for additional credit. (MC)

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. (MC)

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.
Introduction to Hispanic Literature and Literary Analysis. (3-0) Focus on writing skills, literary analysis, and the reading of works from Spanish, Latin American and Hispanic literature. Prerequisite: a grade of "C" or higher in Spanish 2320. Corequisite: SPAN 3308 or equivalent (MC) (WI)

3308 Spanish Phonetics and Phonemics. (3-0) Articulatory phonetics. (PORT 2312) Advanced Portuguese. Corequisite: a grade of "C" or higher in Spanish 3308. (MC) (WI)

3311 Business Spanish I. (3-0) Business language and cultural basics and review of all language skills within a Portuguese cultural framework. (MC)

3310 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 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)

4312 Spanish Sentence Structure and Meaning. (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: a grade of "C" or higher in SPAN 3308. (MC)

4320 Advanced Spanish Grammar and Stylistics. (3-0) Focus on writing skills, literary analysis, and the reading of works from Spanish, Latin American and Hispanic literature. Prerequisite: a grade of "C" or higher in Spanish 2320. Corequisite: SPAN 3308 or equivalent (MC) (WI)

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. (MC) (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. (MC)

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. (MC)

4380D Pre-Law. (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. (MC)

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) Prerequisite: a grade of "C" or higher in Spanish 3309. (MC) (WI)

4432 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)

4710 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) (WI)

4900 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)

5380A 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. (MC) (WI)

5380B 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. (MC) (WI)

5380C 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. (MC)

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5380E 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.

5390 Studies in Spanish Culture, Language, or Literature. (3-0) Prerequisite: a grade of "C" or higher in Spanish 3309. (MC) (WI)
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 ARTH 3305, 3322, 3326, 3332, 3439, 4320, ARTH 2300, 2302; ENG 3320; HIST 3322, 4320, 4345, 4350/4; PHIL 3317, 3338, 3381, 4371, 4388; POSI 3306, 4345, 4368; AND 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, 4332, 4345, 4350, or 4515.

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. (Capstone) (WI)
1330 Critical Thinking. (3:0) Study of informal fallacies, valid argument forms, problem solving strategies, language clarification, and application of analytic skills. (Capstone) (WI)
3131 History of Philosophy Before 1600. (3:0) Early Greek, Roman, and medieval systems of thought. (MC) (WI)
3132 (PHIL 2317) History of Philosophy Since 1600. (3:0) Modern philosophical thought through the 19th century. (MC) (WI)
3250 (PHIL 2305) Elementary Logic. (3:0) A study of the nature and forms of correct reasoning, both deductive and inductive. (Capstone) (WI)
3101 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 perspicacity. Approximately one half of this course will focus on the student's critical thinking skills. Credit cannot be given for both PHIL 3101 and 3105. (WI)
3314 American Philosophy. (3:0) Examination of contributions to American to perennial philosophical issues. (WI)
3315 Contemporary Philosophy. (3:0) Selected readings in late 19th and 20th century philosophy: existentialist, positivist, analytic philosophy, phenomenology, and pragmatism. Prerequisite: Three 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 existence and experience in the philosophy of Kierkegaard, Nietzsche, Heidegger, Sartre, Merleau-Ponty, and Camus. Topics will include freedom, death, 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,螺丝, and imaginative expression. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (Capstone) (WI)
3320 Ethics. (3:0) 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)
3324 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. Prerequisites: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI)
3360 Environmental Ethics. (3:0) Study of ethical issues associated with environmental justice, preservation, use, conservation and restoration of the environment. (Capstone) (WI)
3361 Meaning of Life. (3:0) Investigation of major theories of the meaning of life in Western and Eastern philosophies. (Capstone) (WI)
3362 Philosophy of Sex and Love. (3:0) Critical survey of philosophical indulgences on sex and love from ancient to modern times. (Capstone) (WI)
3370 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: Three hours of lower division PHIL, PHIL 3301, or consent of instructor. (WI)
3371 Philosophy of Law. (3:0) The major theses which have been set forth in the history of jurisprudence including foundational work in legal positivism, and the judicial process. (Capstone) (WI)
3373 Social and Political Philosophy. (3:0) Critical examination of major theories concerning the organization of societies and their environments. Prerequisites: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI)
3375 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, or consent of the instructor. (Capstone) (WI)
3376 Ethics. (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)
3380 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,螺丝, and imaginative expression. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (Capstone) (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.
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Prerequisite: three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI)

3451 Philosophy of Education. (3-0) A study of major philosophical theories on nature, values, and purpose of education. (WI)

3455 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)

3456 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)

3470 Metaphysics. (3-0) Systematic philosophical problems by examination of classical and modern texts. Topics will consider involved 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 3305 or permission of the instructor. (WI)

4380 Problems in Religion (REL). (3-0) Independent study of specific topics in problem in religion. Students are to be approved by the instructor. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. May be repeated. (MC) (WI)

4386 Comparative Religion. (3-0) A comparative study of world religions, their historical development, and their modern status. Prerequisite: 3 hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI)

4390 Problems in Religion. (3-0) Independent study of specific topics in religion. 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. (MC) (WI)

4394 Asian Religious Traditions. (3-0) A comparative study of the life, works, and thought of a major religious figure, e.g., Jesus, Paul, Luther, St. Teresa, Maimonides, the Baal Shem Tov, Muhammad, al-Ghazali, Rumi, Buddha, Gandhi. May be repeated. (WI)

4395 Religious Literature, and the Arts. (3-0) The course features a thematic selection of literary and artistic works in order to examine the connections and discontinuities between the aesthetic and religious aspects of human culture. May be taken for credit with different emphasis. Prerequisite: 3 hours of lower division philosophy. PHIL 3301, or consent of instructor. (Capstone) (WI)

4397 Comparative Religion. (3-0) A comparative study of the major religions of the world including the Jewish, Christian, Islamic, and Hindu traditions. May be repeated for credit. (WI)

4398 Problems in Religion. (3-0) A comparative study of the life, works, and thought of a major religious figure, e.g., Jesus, Paul, Luther, St. Teresa, Maimonides, the Baal Shem Tov, Muhammad, al-Ghazali, Rumi, Buddha, Gandhi. May be repeated. (WI)

4399 Religious Literature, and the Arts. (3-0) The course features a thematic selection of literary and artistic works in order to examine the connections and discontinuities between the aesthetic and religious aspects of human culture. May be taken for credit with different emphasis. Prerequisite: 3 hours of lower division philosophy. PHIL 3301, or consent of instructor. (Capstone) (WI)

4370 Metaphysics. (3-0) Systematic philosophical problems by examination of classical and modern texts. Topics will consider involved 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 3305 or permission of the instructor. (WI)

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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 3305 or permission of the instructor. (WI)

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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 must 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, 3310, and 3320; 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, 3309, 3310 and 3329. The third field in History (15 hours) requires the following: HIST 1310, 2310, 2311, 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 4334, RDS 3323, and EDST 4861.

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 must 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, 3310, and 3320; one advanced course from four of the five groups; POSI 4398; and six hours of POSI advanced electives. The minor in Geography (16 hours) requires the following: GEO 1309 or 1310, 2410, 3309, 3310 and 3329. The third field in History (15 hours) requires the following: HIST 1310, 2310, 2311, 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 4334, RDS 3323, and EDST 4861.

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 must 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, History minor, Geography third field. Requires 30 hours, including POSI 3300 or 3301, 3310, and 3320; one advanced course from four of the five groups; POSI 4398; and six hours of POSI advanced electives. The minor in History (16 hours) requires the following: HIST 1310, 2310, 2311, 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 4334, RDS 3323, and EDST 4861.
Bachelor of Political Administration
Major in Political Administration
Minimum required: 120 semester hours

General Requirements:
1. Majors require 33 semester hours in political science with a political 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; GOVT 3310, 3320, or 3360; International: POSI 4345, 4385, or 4350; GOVT 3312; Social Services: SOCIO 3329; JOURN 2375, 4310, or 4365; Legal Services: POSI 3310, 3311, or 4340; CJ 2380; Health Services: NA 3308, 4307, or 4302; NM 2380.
3. Enrollment in the required internship requires completion of 24 hours of Political Science and the following minimum GPA: a T exas State GPA of 2.25 and a major GPA of 2.5.
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 Iarpa requirements, and a minor from the approved list of minors.

Minor in Political Science
A minor in Political Science requires 24 hours, including POSI 3309 or 3310, 3320 and 3325, at least one course from 4 of the 5 groups, and one Iarpa advanced elective course.

Minors in Political Administration
A minor in Political Administration 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 of 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 2310) 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 the 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.
3311 Basic Political Institutions. (3.0) The study of political institutions emphasizing the fundamentals of political science research and analysis, and the tools used in bibliographical research, and methods of locating and presenting data for communication to 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
3311 American Political Thought. (3.0) The development of American political ideas from the colonial period to the present. (WI)
3320 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)
3321 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 totalitarianism. (MC) (WI)
3334 Contemporary Political Theory. (3.0) A study of selected theories, ideologies, and movements in 20th century political theory. (WI)
3377 3320 Political 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 3310 and 3311.
3428 3320 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) (MC) (MP)
4335 Politics and Personality. (3.0) An introduction to the relationships between political behavior and human motivation. Topics include psychological perspectives and political personality; 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 debate 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 role of religious institutions in constitutional law and democratic theory regarding the proper role of religion in American public life. (WI)
3307 Parties and Political Parties. (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 structural, party-oriented, and special interest costs and benefits of 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 the role of the president in the American political system. (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)
3315 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 Political Institutions: 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 the media in the political process. (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. (MC) (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 Federalism, 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 system. (WI)

4340 Government and Politics of Europe. (3-0) This course focuses on the history, culture, institutions, issues, and policies of the European political system. (MC) (WI)

4341 Government and Politics of Russia. (3-0) A comprehensive study of the political systems of the states of Europe and the former Soviet Union, examined both historically and analytically. (MC) (WI)

4342 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. (WI)

4343 Canadian Government and Politics. (3-0) An introduction to major issues of the OAS including its politics, finances, and regional and international relations. (MC) (WI)

4344A Spanish Democracy in Comparative Context (3-0) An introduction to major issues of the OAS including its politics, finances, and regional and international relations. (MC) (WI)

4345A Spanish Democracy in Comparative Context (3-0) An introduction to major issues of the OAS including its politics, finances, and regional and international relations. (MC) (WI)

4346A Spanish Democracy in Comparative Context (3-0) An introduction to major issues of the OAS including its politics, finances, and regional and international relations. (MC) (WI)

4347A Texas Politics. (3-0) This course focuses on the history, culture, institutions, issues, and policies of the Texas political system. (WI)

4348A Spanish Democracy in Comparative Context (3-0) An introduction to major issues of the OAS including its politics, finances, and regional and international relations. (MC) (WI)

4349A Spanish Democracy in Comparative Context (3-0) An introduction to major issues of the OAS including its politics, finances, and regional and international relations. (MC) (WI)

4350 Government and Politics of Asia. (3.0) A critical analysis of political development in the nations of Far East and South East Asia, concentrating on China, Japan, and India. (MC) (WI)

4351 African Politics. (3.0) A comprehensive examination of poli-
tics in Africa. (MC) (WI)

4352 Issues in Law and Public Policy. (3-0) This course examines the role and function of law in the political system. Prerequisite: POSI 3301 and 3316 with a grade of C or better, POSI 3301 and 3316 with a grade of C or better. (WI)

4353 Economic Development in Latin America. (3-0) This course examines the economic history of and current obstacles to economic development in Latin America. It explores the import substitution industrialization era, the debt crisis of the 1980s, free market economics, and the nature and revival of economic populism. (WI)

4354 Comparative Politics. (3-0) This course is a comparative study of three or more political systems, their institutions, and processes, including the origin, development, geographical units, forms, sources of authority, powers, purposes, form of government, types of infor-
mation organization, motivation, and small group theory. (WI)

4355 Government and Politics of Latin America. (3.0) A comparative analysis of the political and economic significance of Southeast Asia and will include an empirical and concept-
tual examination of the political dynamics of the region. (MC) (WI)

4356 International Law. (3.0) This course is a study of the law, origins, development, divisions, and policies of Islam. Special emphasis will be given to law, political thought, history, and the culture of the Middle East. Topics covered include: Islamic law and theocratic states; the beliefs and practices of the Middle East, Latin America, and others. This course is repeat-

4357B The Politics of the American Working Class. (3-0) This course examines the role of the working class in American politics. Special emphasis is placed on the political behavior of the working class and the impact of these behaviors on the political process. (MC) (WI)

4358A Spanish Democracy in Comparative Context (3-0) An introduction to major issues of the OAS including its politics, finances, and regional and international relations. (MC) (WI)

4362 Government and American Business. (3.0) An overview of the relationship between business and public policy as a whole. Focus is on the major areas of concern affecting the relationship between the public and private sectors including political ideology and culture, pluralism, political party development, governmental 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 prin-
ciples of governmental structure and 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. (MC) (WI)

3311 Constitutional Law: Individual Liberties. (3-0) An examina-
tion of that area of Constitutional interpretation commonly known as Civil Liberties or the relations between the indi-

3312 Constitutional Law: Individual Liberties. (3-0) An examina-
tion of that area of Constitutional interpretation commonly known as Civil Liberties or the relations between the indi-

3314 introduction to Public Administration. (3-0) The organiza-
tion and management of the machinery for executing public pol-
policies, with particular emphasis on the Federal bureau-

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3316 introduction to Public Administration. (3-0) The organiza-
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3317 introduction to Public Administration. (3-0) The organiza-
tion and management of the machinery for executing public pol-
policies, with particular emphasis on the Federal bureau-

3318 introduction to Public Administration. (3-0) A study of public personnel systems in the United States with major concen-
tations on the national civil service system. Special emphasis is placed on the role of governmental personnel systems in or-

3319 introduction to Public Administration. (3-0) A study of public personnel systems in the United States with major concen-
tations on the national civil service system. Special emphasis is placed on the role of governmental personnel systems in or-

3320 Public Personnel Administration. (3-0) A study of public personnel systems in the United States with major concen-
tations on the national civil service system. Special emphasis is placed on the role of governmental personnel systems in or-

3321 Public Personnel Administration. (3-0) A study of public personnel systems in the United States with major concen-
tations on the national civil service system. Special emphasis is placed on the role of governmental personnel systems in or-

3322 Public Policy Formulation. (3-0) Intensive analysis of theories and processes of both policy formulation and policy enforcement in the American administrative process. Prerequisite: POSI 3301. (MC) (WI)

3323 Public Finance Administration. (3-0) Focuses on planning, budgeting, implementation of budgeting including fund accounting, auditing, and debt management in the public sector. Prerequisites: MAT 1315 or higher with a grade of C or better, POSI 3301 and 3316 with a grade of C or better. (WI)

3324 Government and American Business. (3-0) An overview of the relationship between business and public policy as a whole. Focus is on the major areas of concern affecting the relationship between the public and private sectors including political ideology and culture, pluralism, political party development, governmental business cycles, monetary policy, and the domestic economy and political accountability. May be repeated once with different emphasis.

Group IV—Comparative Government

3325 Economic Development in Latin America. (3-0) This course examines the economic history of and current obstacles to economic development in Latin America. It explores the import substitution industrialization era, the debt crisis of the 1980s, free market economics, and the nature and revival of economic populism. (WI)

3326 International Law. (3.0) This course is a comparative study of three or more political systems, their institutions, and processes, including the origin, development, geographical units, forms, sources of authority, powers, purposes, form of government, types of infor-
mation organization, motivation, and small group theory. (WI)

3327 Politics of Modern Southeast Asia. (3.0) This course is a com-
parative analysis of the political and economic significance

3328 Public Personnel Administration. (3-0) A study of public personnel systems in the United States with major concen-
tations on the national civil service system. Special emphasis is placed on the role of governmental personnel systems in or-

3329 Public Personnel Administration. (3-0) A study of public personnel systems in the United States with major concen-
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3330 Constitutional Law: Basic Structures and Principles. (3-0) A case study approach to an analysis of fundamental prin-
ciples of governmental structure and 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. (MC) (WI)

3331 Constitutional Law: Individual Liberties. (3-0) An examina-
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3334 Constitutional Law: Individual Liberties. (3-0) An examina-
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3335 Comparative Politics. (3-0) This course is a comparative study of three or more political systems, their institutions, and processes, including the origin, development, geographical units, forms, sources of authority, powers, purposes, form of government, types of infor-
mation organization, motivation, and small group theory. (WI)

3336 Introduction to Public Administration. (3-0) The organiza-
tion and management of the machinery for executing public pol-
policies, with particular emphasis on the Federal bureau-

3337 Politics of Modern Southeast Asia. (3.0) This course is a com-
parative analysis of the political and economic significance
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 States 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 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 govern-
ments. Prerequisites: POSI 3322. (MC) (WI)

4367 International Conflict and Security. (3-0) Examines histori-
cal and spatial patterns of conflict (including war, terrorism, and ethnic conflict) from a realist, liberal, Marxist, and functionalist perspectives. The course will also examine strategies for con-
flict 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, writing, and study focusing on different subject fields in the discipline taught by appropriate faculty. Students in consultation with faculty in their area of interest should select a particular subject field 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 Independent Study are all of the core courses in Political Science or approval of the Department Chair. (WI)

4680 Internship in Government. (3-0) The student will partici-
patate full-time (40 hours per week) in the ongoing work of a selected governmental unit. A research paper dealing with the internship experience written under direction of a fac-
ulty member will be required.

Department of Psychology

Undergraduate Academic Center, 253
T: 512.245.2526 F: 512.245.3535
www.psych.txstate.edu

Degree Programs Offered

BA, major in Psychology
BS, major in Psychology

Minors Offered

Psychology
Forensic Psychology
Sport 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 studies 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 suit-
table 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 course in Group 0 requires:

Completion of PSY 1300 and MATH 1345 (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 3303 and 24 psychology hours are prerequisites for PSY 4393. With this sequencing and set of prerequisites, a grade of “C” in PSY 3301, 3302, and 3303 is necessary for graduation.

Bachelor of Arts

Major in Psychology

Minimum required: 120 semester hours

General Requirements:

1. PSY 1300, 3301, 3302, and 3303 are the foundation for all serious study of psychology; much material covered in later courses depends on a thorough knowledge of topics in these three. 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. With this sequencing and set of prerequisites for PSY 4391. With this sequencing and set of prerequisites, a grade of “C” (2.0) or higher in each course.

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 1241), chemistry, physics (including astronomy), mathematics (1317 and above), computer science (1319 and above), geology, PHL 2330 (only), or GEO 1305 or GEO 2410 (only).

5. At least 26 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.

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 1342 and 1421), or BIO 1430 and 1431 for biology majors.

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288 Texas State University-San Marcos

2012-2014 Undergraduate Catalog 289
Bachelor of Science
Major in Psychology (with Science Minor)
Minimum required: 120 semester hours

General Requirements:
1. PSY 1300, 2300, 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 in the 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.

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Bachelor of Science
Major in Psychology (with Science Minor)
Minimum required: 120 semester hours

General Requirements:
1. PSY 1300, 2300, 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 in the 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.

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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 (3000-4000 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 3310, 2360, 3329; PSY 3335 or 3316; PSY 3330 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 3321, 3331, 3350, 3361, 4322, and 3356. 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 3321, 3331, 3350, 3361, 4322, and 3356.

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.

3301 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.

3305 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: PSY 1300 and MATH 1315 with grades of “C” or better.

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 experimental research reports will be required of each student. Prerequisite: PSY 3301 and Psychology major standing or permission of the Department Chair. Prerequisite: "C" in PSY 3302 or consent of instructor. (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 philosophical antecedents of modern psychology, and analysis of the status of the major contemporary theoretical schools. Prerequisite: "C" or better in PSY 3302 and 24 Psychology Hours 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. An individual's differences in 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

3211 Sensation and Perception. (3-0) An introduction to the processes of sensation and perception, including 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: PSY 1300.

3212 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 1300.

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

3411 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: "C" in PSY 3302 or consent of instructor. (WI)

4542 Learning and Memory. (3-0) A study of memory and learning, and humans and animals. Attention is given to cognitive, neuropsychological aspects of memory, and memory deficits. Prerequisite: "C" in PSY 3302. (WI)

Ungraduated 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.

3121 Adolescent Psychology. (3-0) A developmental industrial 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, individual differences in development, growth, development, and motivation. Prerequisite: PSY 3300.

3131 Psychology of Adulthood and Aging. (3-0) The development of individuals in the post-adult period, particularly after middle age. Topics studied include social, psychological,
and physiological changes and problems associated with the aging process.

3315 Theory 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.

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. Other topics include the effects of physical health on psychological well being, pain management, longevity and aging, and coping with illness and disease. (WT)

3318 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: “C” or better in PSY 3301.

3540 Reality Therapy/Choice Theory. (3-0) This course focuses on Glasser’s Theory of Choice. 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 life. (WT)

3522 Psychology of Women. (3-0) This course explores 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)

3334 Psychology of Human Diversity. (3-0) Explorations about how the environment, genetics and culture shape human differences, and how these differences are linked to world social, mental, and economic problems. (MC)

3335 Forensic Psychology. (3-0) Examines the relationships between psychology and the processes of the American court system. Sampled included: (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 Forensic Psychology. (3-0) The 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 facts 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. (MC)

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. (WT)

3353 Computer Applications in the Social and Behavioral Sciences and Psychology. (3-0) The principles and application 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.

3561 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 related to physical health. Other topics include the effects of physical health on psychological well being, pain management, longevity and aging, and coping with illness and disease. (WT)

3500 Psychology and Law: Protecting Vulnerable Individuals. (3-0) This course examines clinical, legal and psychosocial conditions of adults who, due to mental illness, developmental impairments, brain injuries or aging, are declared “incompetent” and have court-appointed guardians. Students will serve as the probate court representatives who inspect living conditions/services for individuals under court-ordered guardianships. Prerequisites: Instructor approval.

3990 Psychology and Law: Protecting Vulnerable Individuals. (3-0) This course examines clinical, legal and psychosocial conditions of adults who, due to mental illness, developmental impairments, brain injuries or aging, are declared “incompetent” and have court-appointed guardians. Students will serve as the probate court representatives who inspect living conditions/services for individuals under court-ordered guardianships. Prerequisites: Instructor approval.

430 Special Topics in Psychology. (3-0) Tutorial sessions focusing on public opinion.

4350 Reality Therapy/Choice Theory. (3-0) This course focuses on Glasser’s Theory of Choice. 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 life. (WT)

4518 Introduction to Clinical Psychology. (3-0) Overview of clinical psychology. Emphasis on current theories and methods of individual psychotherapy. Class discussions of readings, films, audio tapes, 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 relationships, techniques and personality. (MC)

4580 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 offered. Open to junior and senior students by invitation of instructor and consent of the chair. Repeatable for credit with different emphasis.

490B 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.

499C 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.

490F Psychology of Perseveration. (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.
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**Bachelor of Arts**

**Major in Sociology**

**Minimum required: 120 semester hours**

**General Requirements:**
1. Majors are required to complete SSCI 1310 or 3300, 3307, 3318, 3406, 4308, and 4309.
2. The remaining 12 hours of coursework may be selected from any SSCI 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 SSCI 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**
- SSCI 1310
- HIST 1310
- SSCI 3307
- SSCI 3309

**Freshman Year - 2nd Semester**
- ENG 1320
- COMM 1310
- ENG Literature (ENG 2310, 2330, 2330, 2330, 2330, 2330)
- MATH 1315 or higher

**Sophomore Year - 1st Semester**
- SSCI 1310
- HIST 1320
- SSCI 3307
- HIST 1320

**Sophomore Year - 2nd Semester**
- US 1100
- ENG Literature (ENG 2310, 2330, 2330, 2330, 2330)
- MATH 1315 or higher
- Modern Language 1420

**Junior Year - 1st Semester**
- SSCI 1310
- HIST 1310
- SSCI 3307
- HIST 1320

**Junior Year - 2nd Semester**
- ENG 1320
- COMM 1310
- ENG Literature (ENG 2310, 2330, 2330, 2330, 2330, 2330)
- MATH 1315 or higher

**Senior Year - 1st Semester**
- US 1100
- ENG Literature (ENG 2310, 2330, 2330, 2330, 2330)
- MATH 1315 or higher
- Modern Language 1420

**Senior Year - 2nd Semester**
- POSI 2310
- PFW
- Natural Science Component
- HIST 1320

**Total**
- 15
- 16
- 15
- 15

**Bachelor of Science**

**Major in Applied Sociology**

**Minimum required: 120 semester hours**

**General Requirements:**
1. Majors are required to complete SSCI 1310 or 3300, 3307, 3318, 4306, 4308, 4309, and 4690. The remaining 12 hours of upper division sociology coursework should be related to their occupational goals or free SSCI 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: SSCI 3319, 3320, 3324, 3327, 3332, 3344, 3347, 3348, 3349, and 3363. Deviance and Social Control: SSCI 2320, 3321, 3326, 3327, 3343, 3344, 3347, 3348, 3349, and 3363. Sociological Practice: SSCI 2320, 3319, 3320, 3321, 3324, 3337, 3347, 3348, 3363, 3383, 3383, and 3384. Gerontology: SSCI 3319, 3337, 3338, 3363, 3363, and 3384. Applied Research: SSCI 3320, 3328, 3353, 3359, and 3383.
3. In the senior year, majors must complete a field internship (SCI 6680) 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 SSCI 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) unless they successfully completed two years of foreign language in high school, 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**
- SSCI 1310
- HIST 1310
- SSCI 3307
- POSI 2320

**Freshman Year - 2nd Semester**
- ENG 1320
- COMM 1310
- MATH 1315 or higher
- Modern Language 1420

**Sophomore Year - 1st Semester**
- SSCI 1310
- HIST 1320
- SSCI 3307
- HIST 1320

**Sophomore Year - 2nd Semester**
- US 1100
- MATH 1315 or higher
- ENG Literature (ENG 2310, 2330, 2330, 2330, 2330, 2330)
- MATH 1315 or higher

**Junior Year - 1st Semester**
- SSCI 1310
- HIST 1310
- SSCI 3307
- HIST 1320

**Junior Year - 2nd Semester**
- ENG 1320
- COMM 1310
- MATH 1315 or higher
- Modern Language 1420

**Senior Year - 1st Semester**
- US 1100
- MATH 1315 or higher
- ENG Literature (ENG 2310, 2330, 2330, 2330, 2330, 2330)
- Modern Language 1420

**Senior Year - 2nd Semester**
- PFW
- Natural Science Component
- HIST 1320
- PFW

**Total**
- 15
- 16
- 15
- 15

**Minimum required: 120 semester hours**
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, SWOK 4320, PSY 3331. The remaining nine hours shall be selected from the following courses: SOCI 3327, 3329, 3337, 3338, 3385, 3388, 3395; SWOK 4320, PSY 3330, 3333, 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 (3030-4000) 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 major forces 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 phenomena. The courses selected deal with subjects that are influenced by and influence popular culture.

SOCI 3310 - Popular Culture and Society is the only required course for this minor. The remaining 15 hours of advanced level courses may be selected from the following: ANTH 3309; ENG 3309, 3326, 3329, 3331; HIST 3343, 4376, 4361; MC 3355, 4308, 4382; POSI 4301; SOCI 3324, 3333, 3340, 3365; 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 3550.

1310 (SOCI 1301) Introduction to Sociology. (3-0) A survey of the basic concepts in sociology including social organization, culture, socialization, groups, and the population leading to the development of a sociological perspective of human behavior. SOCI 1310 and 3300 may not both be counted for credit.

3230 (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, demographics, 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.

3307 Statistics for the Behavioral Sciences. (3-0) The application of descriptive and inferential statistics of behavioral science data.

3501 Peoplenetworks and Society. (3-0) The concepts and content of popular culture, including music, television, genre novels, popular music, fads and fashion, contemporary folklore, festivals and celebrations, clothing and body decoration, and related cultural material, is examined and analyzed for social significance.

3815 Applied Data Analysis. (3-0) This course introduces the student to some of the uses of existing social science software packages including proper application, limitations, and interpretation of results. Prerequisites: Three hours of statistics.

3911 Social Psychology. (3-0) The basic course in social psychology; the nature of the individual in society; the process of socialization, the human personality; 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)

3211 Suicide, Society, and Human Experience. (3-0) This course will offer a systematic approach to understanding the human encounter with suicide. Issues of theoretical concerns 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.

3326 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.

3529 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 critical and institutional 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, and country; and swing to rock, disco, punk, alternative, and reggae - will be analyzed as reflections of culture, as society’s “voice,” and as a powerful instrument of socialization and social change.

3334 Family. (3-0) A course on the 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.

3383 Families and the Elderly. (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. World-wide traditions and societal norms are fused as a framework for understanding the institution of the family are also reviewed. (MC)

3340 Sociology of Sport and Leisure. (3-0) 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, sport and competition, children, women, minorities, professionalism, and others.

3343 Criminology. (3-0) The various theories of crime, the causes of crime, areas of crime, treatment of criminals through the criminal justice system, punishment, probation, 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 Deviance and Social Control. (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 influencing drug use and abuse.

3353 Urban Sociology. (3-0) This course offers a systematic approach to urban sociology and the problems of cities, including crime, fiscal and political, and economic factors. Applications of sociological theories and research methods will be studied.

3357 Aging and the Life Course. (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.

3375 Sociology of Consumption. (3-0) Consumption is an integral part of social life in the United States, shaping how we see ourselves and others. While consumption can enhance social bonding, it is linked to a host of social and economic problems. This course critically examines these problems and explores alternatives to the way of life that is consumptive.

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, 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 technological change, diffusion, social constructivism, modernity and rationality, and cases 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.

3361 Sociology of Labor. (3-0) This course will examine classical sociological theories and the contemporary theories that follow from them concerning the labor market, the labor force, and workplace roles. Emphasis will be placed on the relationship between occupational roles and family roles, sex role differentiation, job satisfaction, job insecurity, and the workplace social structure.

3362 Family. (3-0) A study of the family as a social institution and its role in socialization, reproduction, social life cycle, and social interaction. Topics treated and instructors will vary from semester to semester. Repeatable for credit with different emphasis. (MC)

3363 Medical Sociology. (3-0) This course covers the sociological study of medical sociology, including the sociology of illness, the medical world, including the United States, Europe, and third world countries. Special attention is given to changes in these roles and in everyday life and its impact on society. The study of health institutions, organizations and related cultural material, is examined and analyzed for social significance.

3364 Socialization, the Life Course, and Aging. (3-0) A study of the life course perspective and constructivist critical approaches to the life course.

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 folklore materials.

3367 Industrial Sociology. (3-0) The social setting and formal organization of work; individual and group adaptation in industrial organization.

3368 Folklore and Folklife: An Introduction. (3-0) The study of popular culture of Texas through selected examples of traditional beliefs, customs, folktales, songs, arts, games, artifacts, and techniques for the collection and preservation of folklore materials.

3369 Ethnography. (3-0) This course covers the sociological study of human behavior and culture as described in the field report. Students will examine society and culture in their various forms and compare them to their own. Emphasis will be placed on the social setting and formal organization of work; individual and group adaptation in industrial organization.
College of Science and Engineering

Dean

Stephen B. Seidman, Ph.D.
Centennial Hall 201
T: 512.245.2119 F: 512.245.8095
www.cose.txstate.edu

Associate Dean

Robert Habingreither, Ph.D.

Associate Dean

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.
Ingram School of Engineering–Harold Stern, Ph.D.
Engineering Technology–Andy Bates, Ph.D.
Mathematics–Nathaniel Dean, Ph.D.
Physics–David Donnelly, Ph.D.

Academic Advising Center

Centennial Hall 202
T: 512.245.1315 F: 512.245.9210
www.cose.txstate.edu/advising

The mission of the College of Science and Engineering 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.
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 – 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, and 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 biological diversity course, a physiology course, Ecology, and Evolution. At the sophomore level and above, a variety of courses in cellular 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 and Engineering 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 and Engineering, but would like a second teaching field in Life Science (Texas Grades 8-12) the requirements are: BIO 1300(1301), 1301(1131), 2440, 2450, 4408, 4416, 4454; CHEM 1341(1344), 1342, 1343.

### Bachelor of Science  
Major in Biology  
Minimum required: 1/2 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), 3445 (fall), or 4441 (spring).
5. BIO 4290 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.

#### Core 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), 3445 (fall), or 4441 (spring).
- 5. BIO 4290 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.

#### Course Schedule

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### Minor in Biology

- BIO Advanced Physiology (see gen. req. 4)
- ENG Literature (see gen. req. 2)
- Social Science component (see gen. req. 2)

#### Course Schedule

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### Minor in Aquatic Biology

- BID 4416
- PHYS 1315, 1115
- COMM 1310
- PHIL 1305 or 1320

#### Course Schedule

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### Minor in Microbiology

- BID 4416
- PHYS 1315, 1115
- PHIL 1305 or 1320
- COMM 1310

#### Course Schedule

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### Minor in Wildlife Biology

- BID 4416
- PHYS 1315, 1115
- COMM 1310
- PHIL 1305 or 1320

#### Course Schedule

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Bachelor of Science
Major in Biology
(Life Science Teacher Certification)
Minimum required: 127 semester hours

General Requirements:
1. A minimum of 9 writing intensive hours and a total of 38 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. Neither BIO 4305 nor BIO 4403 count as advanced electives in any other degree program in Biology.
5. Recommended minor is chemistry or biochemistry. Minor and electives should be chosen in consultation with the academic advisor.

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 38 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.

Course | Hr | Course | Hr | Course | Hr | Course | Hr | Course | Hr | Course | Hr | Course | Hr
---- | --- | ---- | --- | ---- | --- | ---- | --- | ---- | --- | ---- | --- | ---- | ---
BIO 1430 or 1330/1310 | 4 | BIO 1431 or 1331/1311 | 4 | BIO 2490 | 4 | BID 2410 | 4 | BID 2416 | 4 | BID 4415 | 4 | BID 4416 | 4
CHEM 1141, 1341 | 4 | CHEM 1142, 1342 | 4 | CHEM 2141, 2341 | 4 | CHEM 2142, 2342 | 4 | CHEM 2145, 2345 | 4 | CHEM 2149, 2349 | 4 | CHEM 2152, 2352 | 4
US 1100 | 1 | ENG 1320 | 3 | MATH 2321 | 3 | MATH 2331 | 3 | MATH 2332 | 3 | MATH 2333 | 3 | MATH 2334 | 3
ENG 1310 | 3 | HIST 1310 | 3 | PHYS 1315/1115 | 3 | PHYS 1325/1125 | 4 | PHYS 1335/1135 | 4 | PHYS 1345/1145 | 4 | PHYS 1355/1155 | 4
POSI 2310 | 3 | COMM 1310 | 3 | PHIL 1305 or 1130 | 4 | PFW one course | 1 | PFW one course | 1 | PFW one course | 1 | PFW one course | 1
Total | 16 | Total | 17 | Total | 18 | Total | 16

Sophomore Year - 1st Semester | Sophomore Year - 2nd Semester | Total
Course | Hr | Course | Hr | Course | Hr | Course | Hr | Course | Hr | Course | Hr | Course | Hr
---- | --- | ---- | --- | ---- | --- | ---- | --- | ---- | --- | ---- | --- | ---- | ---
ENG Literature (see gen. req. 2) | 3 | ART, DAN, MU, or TH 2313 | 3 | BIO 2490 or 2411 | 4 | CI 3325 | 3 | BIO 4416 | 4 | CI 4332 | 3 | BIO Advanced Elective (see gen. req. 5) | 4
POSI 2320 | 3 | HIST 1320 | 3 | CI 3325 | 3 | BIO 4416 | 4 | CI 4332 | 3 | BIO Advanced Elective (see gen. req. 5) | 4
Total | 6 | Total | 6 | Total | 14 | Total | 13

Junior Year - 1st Semester | Junior Year - 2nd Semester | Senior Year - 1st Semester | Senior Year - 2nd Semester
Course | Hr | Course | Hr | Course | Hr | Course | Hr | Course | Hr
---- | --- | ---- | --- | ---- | --- | ---- | --- | ---- | ---
BIO 3421 or 3465 | 4 | BIO Advanced Elective (see gen. req. 4) | 4 | BID 4415 | 4 | BID 4301 | 3
PHYS 1315/1115 | 4 | PHYS 1325/1125 | 4 | BID 4460 | 4 | BID 4416 | 4
COMM 1310 | 3 | ENGLiterature (see gen. req. 2) | 3 | BIO 4410 | 4 | MINOR/ADVANCED ELECTIVES (see gen. req. 9) | 4
PHIL 3305 or 1320 | 3 | Social Science component (see gen. req. 2) | 3 | MINOR/ADVANCED ELECTIVES (see gen. req. 9) | 4
Total | 14 | Total | 14 | Total | 14 | Total | 13

Senior Year - 1st Semester | Senior Year - 2nd Semester
Course | Hr | Course | Hr
---- | --- | ---- | ---
CI 4370 | 3 | EDST 4681 | 6
BIO 4405 or BIO 4305 (see gen. req. 4) | 3 | CI 4343 | 3
POSI 3323 | 3 | BIO 4301 | 6
Total | 15-16 | Total | 6

Minimum required: 120 semester hours

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 3300 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), 4443 (spring), 4445 (fall), 4446 (spring), or 4447 (spring).
5. BIO 4447 can only be used to satisfy the physiology requirement in 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.
7. Choose two Advanced Biology electives from: BIO 4420 (Summer I), BIO 4422 (Fall) or BIO 4434 (Spring).
8. Choose two Advanced Biology electives from: BIO 4410 (Fall/Summer I) or BIO 4454 (Spring).
9. Choose one Advanced Physiology from: BIO 2411 (Fall or spring), 4435 (fall), or 4441 (spring).
10. Choose one Advanced Electives from: BIO 4411 (Spring), BIO 4410 (Fall/Semester I) or BIO 4454 (Spring).
11. Choose two Advanced Electives from: BIO 4431 (Spring) or BIO 4430 (Semester II or BIO 4430 Fall).
12. Choose two Advanced Electives from: BIO 4432 (Fall), BIO 4442 (Fall or 4443 Spring).

General Education Core Curriculum:
1. See the University College section of this catalog for general education core curriculum requirements.
2. Two semesters of the same modern language must be taken at the college level.
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. See the University College section of this catalog for general education core curriculum requirements.
5. Minor and electives should be chosen in consultation with the academic advisor.
6. Recommended minor is chemistry or biochemistry. Minor and electives should be chosen in consultation with the academic advisor.
7. Choose two Advanced Biology electives from: BIO 4420 (Summer I), BIO 4422 (Fall) or BIO 4434 (Spring).
8. Choose two Advanced Biology electives from: BIO 4410 (Fall/Summer I) or BIO 4454 (Spring).
9. Choose one Advanced Physiology from: BIO 2411 (Fall or spring), 4435 (fall), or 4441 (spring).
10. Choose one Advanced Electives from: BIO 4411 (Spring), BIO 4410 (Fall/Semester I) or BIO 4454 (Spring).
11. Choose two Advanced Electives from: BIO 4431 (Spring) or BIO 4430 (Semester II or BIO 4430 Fall).
12. Choose two Advanced Electives from: BIO 4432 (Fall), BIO 4442 (Fall or 4443 Spring).

Junior Year - 1st Semester
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Senior Year - 1st Semester
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 Bachelor of Science
Major in Biology-Wildlife Biology
(leading to certification as a wildlife biologist)
Minimum required: 132 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 3300 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 2411 (Fall or spring), 4435 (Fall), or 4441 (Spring).
5. Choose two Advanced Biology electives from BIO 3441 (Spring), BIO 4410 (Fall/Semester I) or BIO 4454 (Spring).
6. Choose one Advanced Biology electives from: BIO 4431 (Spring) or BIO 4430 (Semester II or BIO 4430 Fall).
7. Choose two Advanced Biology electives from: BIO 4432 (Fall), BIO 4442 (Fall or 4443 Spring).

Bachelor of Science
Major in Biology-Wildlife Biology
(leading to certification as a wildlife biologist)
Minimum required: 132 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 3300 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 2411 (Fall or spring), 4435 (Fall), or 4441 (Spring).
5. Choose two Advanced Biology electives from BIO 3441 (Spring), BIO 4410 (Fall/Semester I) or BIO 4454 (Spring).
6. Choose one Advanced Biology electives from: BIO 4431 (Spring) or BIO 4430 (Semester II or BIO 4430 Fall).
7. Choose two Advanced Biology electives from: BIO 4432 (Fall), BIO 4442 (Fall or 4443 Spring).

Junior Year - 1st Semester
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 Fourier Transform
Wavelet Analysis
Minor in Biology

A minor in Biology includes: BIO 1430 or 1330/1331, 1431 or 1331/1131, 2450, and 2411. Students will design and implement controlled experiments, identify independent and dependent variables, analyze data, draw conclusions, and communicate results with appropriate tables and graphs in oral presentations and written scientific papers. Co-requisite or prerequisite: BIO 1330.

Courses in Biology (BIO)

BIO 1330 and 1420 may be taken in any order. BIO 1330 and 1421 will not meet the requirements for medical or dental schools.

Functional Biology Laboratory: (0-3) Fundamental techniques and instruments used in cell biological research will be taught while emphasizing safety, measurements, and scientific methodology. Students will design and implement controlled experiments, independently identify and dependent variables, analyze data, draw conclusions, and communicate results with appropriate tables and graphs in oral presentations and written scientific papers. Co-requisite or prerequisite: BIO 1330.

Organismal Biology Laboratory: (0-3) This course provides a strong foundations in animal biology at the organismal level. The format will include details of animal form and function as well as concepts relating to classification, physiology, evolution, and ecology. Topics will include natural history, biogeography, adaptations to local environments, developmental characters, and behavior. All material is presented in an accepted phylogenetic sequence. Prerequisites: BIO 1330 or 1430; BIO 1331/1131 or 1431 with grades of “C” or higher.

Biological Implications of Water Planning in Texas: (3-0) A study of the cellular structure and functional organization 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 1330/1331 or 1430; BIO 1331/1331 or 1431 with a grade of “C” or higher.

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 1330/1331 or 1430 and BIO 1331/1331 or 1431 with a grade of “C” or higher.

Intermediate Zoology: (3-3) Provides biology majors a strong foundation in animal biology at the organismal level. This course is recommended for non-science majors. May not be credited towards a biology major or minor. Prerequisites: BIO 1320 and 1421 or BIO 1330/1331 or BIO 1430 and BIO 1331/131 or BIO 1431.

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.

Phycology: (3-3) A study of algal organisms, comparative and culture techniques. Prerequisites: 8 hours from BIO 1410, 2410, 2450, 3400, 3450, 2450 with a grade of “C” or higher.

Human Physiology: (3-3) An introduction to the physiology of vertebrate organisms, including the nervous system, musculoskeletal system, endocrine system, cardiovascular system, respiratory system, gastrointestinal system, and urinary system. Mammalian systems will be emphasized. Prerequisites: BIO 2450 with a grade of “C” or higher.

Ecology and Conservation: (3-3) A study of the fungal kingdom including classification, anatomy of the major clades, and the role of fungi in ecosystems and ecosystem services. Prerequisites: BIO 2450, 2410, 2450, 2450 with a grade of “C” or higher.

Human Anatomy and Physiology I: (4-3) A study of the structure, multiplication and genetics of bacterial, plant, and animal viruses. The role of viruses in human and plant disease. Prerequisites: BIO 2450, 2450 with a grade of “C” or higher. [WC]

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: CHEM 1141/1341 and a grade of “C” or higher.

Crop 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 course on the structure and function of the human body. Designed specifically to prepare students for nursing and other health professions. Prerequisites: CHEM 1141/1341 and a grade of “C” or higher.

Human Anatomy and Physiology II: (3-3) A study of the comparative morphology, evolution, systematics, and natural history of invertebrates. Prerequisites: BIO 2411, 2450 with a grade of “C” or higher.

Botany: (3-3) A study of 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 the Earth system, and the role of humans in contributing to the observed changes. Prerequisites: BIO 1330/1331 or 1430; 1331/131 or 1431/141 or consent of instructor. (MC/WT)

Plant Breeding: (3-3) An introduction to the role of viruses in the cell and organelle structure, basic biochemistry, principles of thermodynamics and energy transformation, and the role of viruses in higher organisms and virus relationships. Prerequisites: BIO 2450 or consent of instructor.

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 population genetics, natural selection, and evolutionary and developmental neurobiology. Prerequisite: BIO 2450 with a grade of “C” or higher.

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/WT)

Evolution: (3-0) Basic genetic principles applied to natural selection, speciation, 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.

Wildlife and Recreation: Impact, Policy, and Management. (3-0) Students will be introduced to the impact human recreation 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.

Natural History. (3-0) A survey of the world 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.

Special Topics in Biology: (3-0) Selected advanced topics in biology. May be repeated for credit. Prerequisite: will be determined by topic and faculty offering the course.

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.

Biological Implications of Water Planning in Texas: (3-0) Student presentation and discussion of cell biology topics including the functional and structural organization of non-pathogenic organisms. Includes the study of prepared slides and of microtechniques. This course is designed to meet the needs of pre-professional students. Prerequisites: BIO 2411, 2450 with a grade of “C” or higher.

Field Ornithology. (3-0) A study of 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 the Earth system, and the role of humans in contributing to the observed changes. Prerequisites: BIO 1330/1331 or 1430; 1331/131 or 1431/141 or consent of instructor. (MC/WT)

Invertebrate Zoology: (3-0) A study of the comparative morphology, evolution, systematics, and natural history of invertebrates. Prerequisites: BIO 2411, 2450 with a grade of “C” or higher.
4350F Biological Resources: Conservation and Planning. (3-3) This course is an introduction to the protection and sustainable use of plant and animal communities and ecosystems. Course also includes study of the methods used to analyze biodiversity and population regulation. Prerequisites: BIO 4416 or concurrent enrollment.

4350G Medical Microbiology. (3-0) This lecture-based course will cover pathogenic bacteria and their relationship to disease, emphasizing identification of selected groups of pathogens, epidemiology, and the biological basis for virulence. Prerequisites: BIO 2450 with a grade of “C” or higher.

4350H Immunobiology. (3-0) This lecture-based course will cover the biology of the immune system and its relationship to disease, emphasizing basic concepts of immunology and the role of immunosuppression in organ transplantation. Prerequisites: BIO 2450 with a minimum grade of C and BIO 2450 with a minimum grade of C or higher. Students may take only one of BIO 4350F or BIO 4445 for credit.

4351 Bird Conservation and Management (2-3) This course is an introduction to the conservation and management of bird populations in an ecological context. Course covers a variety of species and spatial scales from landscape to ecoregion. Laboratory portion will involve field trips, intensive computer-based labs, and class discussion. Prerequisites: Prerequisites: BIO 1113, 1114 or GEO 1113, 1114.

4369 Biostatistics. (3-0) Biological systems are a multidisciplinary component of most biological courses. Biological topics include classification schemes, homolog, homonome, the application of observation and phylogeny in reconstructing the past. The course will also present relevant issues in conservation, biodiversity cataloguing, museum and collection management, and the origin and impact of pest infestations. Prerequisites: 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, oceanography, and atmospheric science. Emphasis is upon the study of atmospheric, oceanic, and geologic processes. Prerequisites: BIOL 2450 with a grade of “C” or higher. (WI)

4420 General Anatomy. (4-3) Environmental relationships and natural history of vertebrates. Emphasis is upon taxonomy, specialization, and biotic interactions. 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 2450 with a grade of “C” or higher. (WI)

4450 Limnology. (3-3) The physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Emphasis will be on practical application. Prerequisites: BIO 2450 with a grade of “C” or higher; one semester of organic chemistry. (WI)

4470 Limnology. (3-3) The physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Emphasis will be on practical application. Prerequisites: BIO 2450 with a grade of “C” or higher; one semester of organic chemistry. (WI)

4541 Herpetology. (3-3) A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy; systematics; and population biology. Prerequisite: BIOL 2450 with a grade of “C” or higher. (WI)

4545 Plant Physiology. (3-3) plant structure and function in the organization of terrestrial plant ecosystems. Quantitative vegetative sampling and the use of field and laboratory physiological equipment are included in this laboratory. Prerequisite: BIOL 4211 or equivalent of all Biology majors. Prerequisite: BIO 4210 with a grade of “C” or higher. (WI)

4550 Physiology 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 involved in the physiological regulation of these ecological forms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied. Prerequisite: BIO 4250 with a grade of “C” or higher.

4554 Plant Physiology. (3-3) Plant structure and function in the organization of terrestrial plant ecosystems. Quantitative vegetative sampling and the use of field and laboratory physiological equipment are included in the laboratory. Prerequisite: BIOL 4211 or equivalent of all Biology majors. Prerequisite: BIO 4210 with a grade of “C” or higher. (WI)

4451Ichthyology. (3-3) An introduction to the morphology, taxonomy, natural history and evolution of fish. 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.

4452 Experimental Techniques. (3-3) Use of methods and instruments applicable to biological investigations, including computerized analysis and data display; microspectrophotometry; atomic absorption, and gas chromatography; radioactive counting; and electrophoresis. Prerequisites: BIO 2450 with a grade of “C” or higher; one semester of organic chemistry. (WI)

4457 Pathogenic Microbiology. (3-3) Pathogenic bacteria and their relationship to disease, emphasizing identification of selected groups of pathogens, epidemiology, and the biological basis for virulence. Prerequisites: BIO 2450, 2450 with a grade of “C” or higher. Prerequisite: BIO 2411, 2450 with a grade of “C” or higher; one semester of organic chemistry. (WI)

4461 Ecological Field Research. (3-3) Field projects may be taken in areas such as bird populations in an ecological context. Prerequisites: BIOL 2450 with a grade of “C” or higher.

4462 Animal Behavior. (3-3) This course presents all the major facets of the study of animal behavior, giving special attention to its ecological, evolutionary, and psychological aspects. Major conceptual models guiding past and present research in the laboratory. Laboratories will emphasize experimental techniques and statistical analysis. Prerequisites: BIO 2450; BIO 2450 with a grade of “C” or higher. (WI)

4465 Microbial Ecology. (3-4) This course will illustrate the wide variety of species and spatial scales from landscape to ecoregion. Prerequisites: BIOL 2411, 2450 with a grade of “C” or higher. (WI)

4466Vertebrate Anatomy. (3-3) This course is a comparative study of vertebrate biology in order to reveal how animals have adapted to the environment and how they have evolved. Prerequisites: BIOL 2411, 2450 with a grade of “C” or higher. (WI)

4470 Limnology. (3-3) The physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Emphasis will be on practical application. Prerequisites: BIOL 2450 with a grade of “C” or higher; one semester of organic 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 ecological, evolutionary, and psychological aspects. Major conceptual models guiding past and present research in the laboratory. Laboratories will emphasize experimental techniques and statistical analysis. Prerequisites: BIO 2450; BIO 2450 with a grade of “C” or higher. (WI)

4473 Animal Behavior. (3-3) This course presents all the major facets of the study of animal behavior, giving special attention to its ecological, evolutionary, and psychological aspects. Major conceptual models guiding past and present research in the laboratory. Laboratories will emphasize experimental techniques and statistical analysis. Prerequisites: BIO 2450; BIO 2450 with a grade of “C” or higher. (WI)

4475 Animal Behavior. (3-3) This course presents all the major facets of the study of animal behavior, giving special attention to its ecological, evolutionary, and psychological aspects. Major conceptual models guiding past and present research in the laboratory. Laboratories will emphasize experimental techniques and statistical analysis. Prerequisites: BIO 2450; BIO 2450 with a grade of “C” or higher. (WI)

4476 Animal Behavior. (3-3) This course presents all the major facets of the study of animal behavior, giving special attention to its ecological, evolutionary, and psychological aspects. Major conceptual models guiding past and present research in the laboratory. Laboratories will emphasize experimental techniques and statistical analysis. Prerequisites: BIO 2450; BIO 2450 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. Prerequisites: BIO 4250 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 biological laboratory unit (private, commercial, or governmental). A research paper or report will be required. The internship experience conducted at the biological laboratory unit under the supervision of a faculty member, will be required. This course may be credited toward a biology major only with prior approval of the Biology Department advisor and chair. Prerequisite: BIO 4250 with a grade of “C” or higher.
Chemistry and biochemistry majors gain skills in quantitative thinking, academic, and government positions. Many also seek advanced services, and/or sales. Graduates from the Department of Chemistry 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.

Students who are seeking teacher certification within their major and are not in the College of Science and Engineering may add a second teaching field in Chemistry or Physical Science (Texas Grades 8-12). The requirements for Chemistry are:

Bachelor of Science
Major in Biochemistry
Minimum required: 120 semester hours

General Information:
1. A minimum of 8 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. One semester of CHEM 2141 is highly recommended and required for the national 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
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CHEM 1141, 1341 | 4 | CHEM 1142, 1342 | 4 | CHEM 2141, 2341 | 4 | CHEM 2142, 2342 | 4
BIO 1130/1130 or 1430 | 4 | BIO 1131/1131 or 1431 | 4 | BIO 1140 | 4 | BIO 1141 | 4
US 1100 | 1 | MATH 2471 | 3 | ENGR 1310 | 3 | PHIL 1305 or 1320 | 3
ENG 1310 | 3 | ENGR 1320 | 3 | CHEM 1330, 1340 | 3 | ENG Literature (see gen. req. 5) | 3
PHIL 1305 or 1320 | 3 | Total | 15 | Total | 15 | Total | 15 | Total | 16

Freshman Year - 1st Semester
Freshman Year - 2nd Semester
Sophomore Year - 1st Semester
Sophomore Year - 2nd Semester

Course  | Hr | Course  | Hr | Course  | Hr | Course  | Hr
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ENG 1320 | 3 | CHEM 1380 | 3 | CHEM 4300 | 4 | CHEM 4305 | 3
CHEM 3375 | 3 | CHEM 3275 | 3 | CHEM 4481 | 3 | CHEM 4482 | 3
BIO 2400 | 4 | HIST 1320 | 3 | Minor Advanced Elective (see gen. req. 3) | 1 & 5 | Minor Advanced Elective (see gen. req. 3) | 1 & 5
HIST 1310 | 3 | PSS 2310 | 3 | Science Component (see gen. req. 3) | 1 & 5 | PFW one course | 1 & 5
PSS 2310 | 3 | Total | 16 | Total | 15 | 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 | Course  | Hr
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COMM 1310 | 3 | COMM 1330 | 3 | HIST 2340 | 3 | HIST 2341 | 3 | MATH 2472 | 4
PHYS 1430 | 4 | PHYS 2430 | 4 | CHEM 2143 | 4 | CHEM 2403 | 4
PHIL 1305 or 1320 | 3 | Total | 16 | Total | 15 | Total | 15 | Total | 16

Department of Chemistry

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, minor in Chemistry
BS, minor in Chemistry (Chemistry Teacher Certification)
BS, major in Chemistry (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 substrates 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 advanced Department of Chemistry and Biochemistry have been accredited by the American Chemical Society. Recipients of a BS in Chemistry or 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 and 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. The Biochemistry curriculum meets the standards set by the American Society for Biochemistry and Molecular Biology. 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 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.

Students who are seeking teacher certification within their major and are not in the College of Science and Engineering may add a second teaching field in Chemistry or Physical Science (Texas Grades 8-12). The requirements for Chemistry are:
### 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.
4. Students should consult a departmental or academic advisor before selecting an undergraduate minor. A minor in biology is recommended.
5. Students completing 12 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.

**Freshman Year - 1st Semester**

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**Freshman Year - 2nd Semester**

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**Bachelor of Science and Master 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 for graduation. 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 4290 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**

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**Sophomore Year - 2nd Semester**

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**Junior Year - 1st Semester**

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**Junior Year - 2nd Semester**

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**Senior Year - 1st Semester**

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Bachelor of Science
Major in Chemistry
(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 for graduation. 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.

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<thead>
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<th>Freshman Year - Summer II</th>
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Bachelor of Science
Major in Chemistry
(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 for graduation. 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.

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Minor in Chemistry

A minor in Chemistry requires CHEM 1141 and 1341, 1142 and 1143, 2141 and 2341, 2142 and 2342, 3430, 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 1143, 2141 and 2341, 2142 and 2342, 3276, either 3375 or 4375, and either 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 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 1310.

1142 (CHEM 1112) General Chemistry Laboratory II. (0-3) Second of two laboratory courses in general chemistry for science-related majors. Prerequisite or Co-requisite: CHEM 1141. Prerequisite or Co-requisite: CHEM 1342.

1301 (CHEM 1305) Introductory Chemistry for Non-Science Majors. (3-0) A one-semester principles course for students in non-science related majors. Course covers the 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 1340 for general education credit.

1311 (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 re-centered 520) or MATH 1135 with a grade of "C" or higher.

1341 (CHEM 1341) General Chemistry Laboratory I. (3-0) Lecture course in general chemistry for science-related majors, covering atomic and molecular structure, bonding, states of matter, solutions, and descriptive chemistry. Prerequisite: CHEM 1311 with a grade of "C" or higher. Prerequisite or Co-requisite: CHEM 1340.

1342 (CHEM 1342) General Chemistry Laboratory II. (3-0) Lecture course in general chemistry for science-related majors, covering atomic and molecular structure, bonding, states of matter, solutions, and descriptive chemistry. Prerequisite or Co-requisite: CHEM 1341. Prerequisite or Co-requisite: CHEM 1342.

2330 (CHEM 2330) Organic Chemistry I. (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 2341.

2350 Biochemistry & Metabolism. (3-0) A one-semester study of carbohydrate, protein, and nucleic acids 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.

2345 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 with a "C" or better and 3410. Prerequisite or Co-requisite: CHEM 3340 (WI).

2375 Biochemical Techniques. (1-4) Course introduces biochemical 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)

2376 Experimental Biochemistry. (1-4) Course introduces biochemistry minors to the fundamental techniques used in modern biochemistry. Course introduces the student to the general techniques of organic chemistry. Prerequisites: CHEM 1342 with a grade of "C" or higher. CHEM 2341. Prerequisite or Co-requisite: CHEM 2341.

2421 (CHEM 2121) Organic Chemistry Laboratory II. (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 2341. Prerequisite or Co-requisite: CHEM 2341.

2420 (CHEM 2120) 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 2341. Prerequisite or Co-requisite: CHEM 2341.

2420 (CHEM 2120) 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 2341. Prerequisite or Co-requisite: CHEM 2341.
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 computational theory and practice of quantum mechanical modeling, forcefield based molecular modeling, molecular energy minimization, molecular dynamics, vibrational spectra, solution of crystal-line structures, diffraction patterns, molecular bends, phase equilibrium, and solid phase properties. Students may not receive credit for both CHEM 3375 and CHEM 4375. Prerequisite: CHEM 2342 with a grade of “C” or higher.

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), synthesis of carbohydrates, lipids, amino acids, proteins, and nucleic acids. Students may not receive credit for both CHEM 3375 and CHEM 4375.

4371 Directed Study. (3.0) Independent study on a particular subject. Prerequisite: Permission of instructor. May be repeated for credit but a maximum of four semester hours may be applied toward graduation.

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. Prerequisite: CHEM 2342 with a grade of “C” or better and permission of department.

4379 Introduction to Polymers. (3.0) A study of the computational theory and practice of quantum chemical molecular modeling, forcefield based molecular modeling, molecular energy minimization, molecular dynamics, vibrational spectra, solution of crystal-line structures, diffraction patterns, molecular bends, phase equilibrium, and solid phase properties. Students may not receive credit for both CHEM 3375 and CHEM 4375. Prerequisite: CHEM 2342 with a grade of “C” or higher.

4481 Advanced Biochemistry Lab I. (2-8) The first of two laboratories 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)

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 4482. (WI)
### Bachelor of Arts
Major in Computer Science

Minimum required: 120 semester hours

**General Requirements:**
1. A minimum of 120 hours is required for graduation. Of these hours, 9 hours must be writing intensive and 36 hours must be advanced. Advanced courses are numbered 3000-4000 level.
2. A minimum of 48 hours must be completed in the general education core. Refer to the University Catalog 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 1303, 1330, 1331; PSYH 1305, 1315, 1325, 1326; CHEM 1341, 1344, 1342, 1342A, 1420.
4. MATH 2417 or 2418 may substitute for the MATH 1317, 1319, 2320 or 2321 requirement.
5. 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. ENG 3303 or 3311 is recommended.
6. 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.
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 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.
10. Students should consult with the academic advisor before enrolling in any free elective courses to ensure that electives are needed.

### Bachelor of Arts
Major in Computer Science

Teacher Certification

Minimum required: 120 semester hours

**General Requirements:**
1. A minimum of 120 hours will be completed for students pursuing teacher certification. Of these hours, 9 hours must be writing intensive, and 36 hours must be advanced. Advanced courses are numbered 3000-4000 level courses.
2. A minimum of 48 hours must be completed in the general education core. Refer to the University Catalog 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 1303, 1330, 1331; PSYH 1305, 1315, 1325, 1326; CHEM 1341, 1344, 1342, 1342A, 1420. The eight hours (2 courses) must be from the same science (BIO, CHEM, GEOL, or PSYH) as listed above.
4. MATH 2417 or 2418 may substitute for the MATH 1317, 1319, 2320 or 2321 requirement.
5. Students pursuing the BA degree are required to complete an additional 9 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. ENG 3303 or 3311 is recommended.

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<th>Freshman Year - 1st Semester</th>
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**Total Hours Required:**
15 to 16 hours

**Hrs Required:**
- 12 for Bachelor of Arts
- 15 to 16 hours for Bachelor of Arts with Teacher Certification
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 these, 8 hours must be writing intensive and 36 hours must be advanced. Advanced courses are 3000-4000 level courses.
2. A minimum of 48 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 1330/1130 & 1331/1131; PHYS 1315/1115 & 1325/1125 (or 1430 & 2435); CHEM 1341/1141 and 1342/1142; or ENGR 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. Therefore, a Mathematics minor is recommended.
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 in addition to the core curriculum English requirement. Students may select from ENG 2310, 2320, 2340, 2358, 2360, 3300 (Technical Writing), or ENG 3311 (Writing for the Computer Industry) to fulfill this requirement. ENG 3303 or 3311 is recommended.
8. Computer Science majors must complete one CS project course from: CS 4368, 4320, 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 or the 36 advanced hours writing intensive requirements. Students should consult with the academic advisor before enrolling in any free elective courses.

General Requirements:
1. A minimum of 121 hours is required for graduation. Of these, 8 hours must be writing intensive and 36 hours must be advanced. Advanced courses are 3000-4000 level courses.
2. A minimum of 48 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 1330/1130 & 1331/1131; PHYS 1315/1115 & 1325/1125 (or 1430 & 2435); CHEM 1341/1141 and 1342/1142; or ENGR 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. Therefore, a Mathematics minor is recommended.
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 in addition to the core curriculum English requirement. Students may select from ENG 2310, 2320, 2340, 2358, 2360, 3300 (Technical Writing), or ENG 3311 (Writing for the Computer Industry) to fulfill this requirement. ENG 3303 or 3311 is recommended.
8. Computer Science majors must complete one CS project course from: CS 4368, 4320 or 4398.
9. The concentration in computer engineering consists of EE 2400, CS 4388, and two core courses chosen from CS 4310, CS 4318, CS 4328 or CS 4388.

Bachelor of Science
Major in Computer Science
(Concentration in Computer Engineering)
Minimum required: 121 semester hours

General Requirements:
1. A minimum of 121 hours is required for graduation. Of these, 8 hours must be writing intensive and 36 hours must be advanced. Advanced courses are 3000-4000 level courses.
2. A minimum of 48 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 1330/1130 & 1331/1131; PHYS 1315/1115 & 1325/1125 (or 1430 & 2435); CHEM 1341/1141 and 1342/1142; or ENGR 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. Therefore, a Mathematics minor is recommended.
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 in addition to the core curriculum English requirement. Students may select from ENG 2310, 2320, 2340, 2358, 2360, 3300 (Technical Writing), or ENG 3311 (Writing for the Computer Industry) to fulfill this requirement. ENG 3303 or 3311 is recommended.
8. Computer Science majors must complete one CS project course from: CS 4320 or 4398.
9. The concentration in computer engineering consists of EE 2400, CS 4388, and two core courses chosen from CS 4310, CS 4318, CS 4328 or CS 4388.
Bachelor of Science
Major in Computer Science
( Teacher Certification )
Minimum required: 120 semester hours

General Requirements:
1. A minimum of 120 hours is required for graduation. Of those hours, 9 hours must be writing-intensive hours, and 36 must be advanced. Advanced courses are 3300-4999 level courses.
2. A minimum of 48 hours must be the core of the computer science education. 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 1330/1130 & 1331/1131; CHEM 1311/1111 & 1321/1121 or 1430/2430; CHEM 1341/1141 & 1342/2442; 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 within the College of Education (CIS 315, ED 3401, ED 3503, and EDST 4861 – Student Teaching).
5. Students pursuing the BS are required to complete at least 17 hours in mathematics from 2471, 2472, 2358, 2398.
6. If one of the same language is 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 in addition to the core curriculum English requirement. Students may select from ENG 2310, 2320, 2325, 2340, 2350, 2360. ENG 3303 (Technical Writing) or ENG 3311 (Writing for the Computer Industry) to fulfill this requirement. ENG 3303 or 3311 is recommended.

8. Computer Science majors must complete at least one course from ENG 3408, 4320, or 4368.
9. The minimum number of hours required for the degree is 120 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.

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<th>Course</th>
<th>Freshman Year - 1st Semester</th>
<th>Freshman Year - 2nd Semester</th>
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Minor in Computer Science
A minor in Computer Science consists of CS 1428, 2308, 2315, 3358, at least six advanced CS hours, plus MA TH 2358.

Courses in Computer Science (CS)

1308 (COSC 1300) Computer Literacy and the Internet. (2-2) A study of the use of computer technology and their effects on society. Text processing, spreadsheets, databases, and Web programming. Does not count for computer science credit towards a minor. (WI, BA in computer science.)

1315 (COSC 1415) 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) Introduction 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.

Prerequisites: MA TH 2315, C or higher.


Prerequisites: C or higher in CS 1428.

2315 Computer Ethics. (3-0) Primarily for computer science majors, others and others desiring technical introduction to computer science. The ethical and social consequences of the use of computers. Special emphasis on the ethical, professional, and societal responsibilities of computing professionals. Students will be required to pass a computer ethics examination in order to graduate.

Prerequisites: MA TH 2315, C or higher.

2418 Undergraduate Research I. (1-2) Supervised individual research projects 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; department approval.

2499 Undergraduate Research II. (1-2) Supervised individual research projects 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; department approval.

4100 Computer Science Internship. (0-20) Provides on-the-job training supervised by computer scientists in industry internship programs approved by the department. May be repeated once but not for credit and requires approval of the department chair.

Prerequisites: C majors and minors only.

4298 Embedded Computer Systems. (3-0) Fundamentals of object-oriented systems design. Introduction to basic software engineering practices automated by a computer science faculty member. Cannot be given degree credit until the satisfactory completion of CS 4299.

Prerequisite: C or higher in CS 2318 and CS 2420.

4299 Computer Science Internship. (0-20) Provides on-the-job training supervised by computer scientists in industry internship programs approved by the department. May be repeated once but not for credit and requires approval of the department chair.

Prerequisites: C majors and minors only.

4298 Embedded Computer Systems. (3-0) Fundamentals of object-oriented systems design. Introduction to basic software engineering practices automated by a computer science faculty member. Cannot be given degree credit until the satisfactory completion of CS 4299.

Prerequisite: 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. May be repeated once but not for credit and requires approval of the department chair.

Prerequisites: C majors and minors only.

4298 Embedded Computer Systems. (3-0) Fundamentals of object-oriented systems design. Introduction to basic software engineering practices automated by a computer science faculty member. Cannot be given degree credit until the satisfactory completion of CS 4299.

Prerequisite: C or higher in CS 2318 and CS 2420.

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Prerequisites: C majors and minors only.

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Prerequisite: C or higher in CS 2318 and CS 2420.

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Prerequisites: C majors and minors only.

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Prerequisite: C or higher in CS 2318 and CS 2420.

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Prerequisites: C majors and minors only.

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Prerequisite: 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. May be repeated once but not for credit and requires approval of the department chair.

Prerequisites: C majors and minors only.

4298 Embedded Computer Systems. (3-0) Fundamentals of object-oriented systems design. Introduction to basic software engineering practices automated by a computer science faculty member. Cannot be given degree credit until the satisfactory completion of CS 4299.

Prerequisite: 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. May be repeated once but not for credit and requires approval of the department chair.

Prerequisites: C majors and minors only.

4298 Embedded Computer Systems. (3-0) Fundamentals of object-oriented systems design. Introduction to basic software engineering practices automated by a computer science faculty member. Cannot be given degree credit until the satisfactory completion of CS 4299.

Prerequisite: 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. May be repeated once but not for credit and requires approval of the department chair.

Prerequisites: C majors and minors only.
**Degre Programs Offered**

BS, major in Electrical Engineering

doctoral and master’s degrees in electrical, computer, 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 241H 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 or industrial technology, please see the Department of Engineering Technology and Physics section of this catalog.

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**Ingram School of Engineering**

Roy F. Mitte Building, Room 5202
T: 512.245.1826 F: 512.245.7771
www.engineering.texasre.

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**The Ingram School of Engineering Mission Statement**

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.

**The Ingram School of Engineering 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 that 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, respect for all disciplines of engineering, and mutual respect among diverse faculty, staff, and students.

---

**The Electrical Engineering Mission Statement & Objectives**

Our mission is:

1. To lead students to be innovative, ethical engineering professionals through solid education at the undergraduate level, by providing opportunities to participate in research, and by responding to the needs of the Central Texas region, the state of Texas, and the nation. We achieve this mission by:
2. Engaging colleagues and students in new and more effective ways to transmit knowledge to the next generation of electrical engineers.
3. Engaging colleagues and students in pioneering, scholarly, multidisciplinary research efforts.
4. Creating a student-centered environment which emphasizes ethics and integrity and fosters creativity, appreciation for all ideas, and respect for others.
5. Seeking and maintaining bonds with our alumni and the industries which hire them.
6. Maintaining a student-centered atmosphere for undergraduate education and research.

---

**Objectives of the program are to produce graduates who:**

1. Analyze, design, develop, optimize, and implement complex systems in the context of modern interdisciplinary engineering programs.
2. Contribute to the solution of practical problems in industrial, service, and government organizations by applying skills acquired...
through formal and lifelong learning.
3. Enjoy fulfilling engineering careers, including professional advancement, entrepreneurship, and the pursuit of graduate studies.
4. Practice engineering while observing appropriate technological, organizational, societal, global, and ethical contexts.

The Industrial Engineering Mission Statement & Objectives

Our mission is:
To provide an excellent and innovative education 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.

The objectives of the program are to produce graduates who:
1. Perform as industry leaders in the global marketplace, capable of successfully planning, controlling, and implementing large-scale projects.
2. Understand and apply the principles of science, technology, engineering, and math involving industry-relevant problems.
3. Contribute to the profitable growth of industrial economic sectors by using IE analytical tools, effective computational approaches, and systems thinking methodologies.
4. Maintain high standards of professional and ethical responsibility.
5. Flourish and work effectively in diverse, multicultural environments emphasizing the application of teamwork and communication skills.
6. Practice life-long learning to sustain technical currency and excellence throughout one’s career. Promote the profession and its benefits to society.

The Manufacturing Engineering Mission Statement & Objectives

Our mission is:
* To sustain a quality, student-centered, industry-oriented engineering curriculum.
* 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.
* To produce graduates skilled in materials and manufacturing processes: process; assembly and product engineering; manufacturing competitiveness and systems design.

The objectives of the program are to produce graduates who:
1. Perform as engineering leaders in the global marketplace.
2. Understand and apply the principles of math, science, and engineering in design and manufacturing related activities.
3. Contribute to the profitable growth of manufacturing businesses.
4. Maintain high standards of professional and ethical responsibility.

Bachelor of Science
Major in Electrical Engineering
(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 (or converted 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 30 advanced hours are required for graduation. An advanced course is one that is numbered above 3000 and below 6000.
4. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics - MATH 2471; natural science - CHEM 1341 (or CHEM 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 modern 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.

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## Bachelor of Science
### Major in Electrical Engineering
(For students specializing in Computer Engineering)

#### Bachelor of Science
### Major in Electrical Engineering
(Computer Engineering Specialization)

#### 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 1316, 1317, 1318, or 1326. Students who do not meet the above prerequisites may choose Pre-Electrical Engineering, neighbor.
2. All Electrical Engineering majors must complete Electrical Engineering (EE) course prerequisites with a grade of "C" or higher.
3. A minimum of 18 semester hours is required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
4. 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.

#### Minimum required: 137 semester hours

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**Bachelor of Science**  
**Major in Industrial Engineering**  
**Minimum required: 135 semester hours**

**General Requirements:**
1. In order to declare Industrial Engineering as a major, students must meet the following prerequisites: ACT Math score of 24 or higher, SAT Math score of 520 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 is 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 or 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. A minimum of 9 writing intensive hours and a total of 36 advanced hours is required to graduate. An advanced course is one that is numbered above 3000 and below 5000.

**Freshman Year - 1st Semester**
- Course: CHEM 1314, 1141  
  - Hr: 4
- Course: ENGR 1310  
  - Hr: 3
- Course: ENGR 1313  
  - Hr: 3
- Course: MATH 2471  
  - Hr: 4
- Course: ENG 1310  
  - Hr: 3
- Course: ENGR 1373  
  - Hr: 3
- Course: MGT 1101  
  - Hr: 4
- Total: 15

**Freshman Year - 2nd Semester**
- Course: CHEM 1341, 1141  
  - Hr: 4
- Course: PHYS 2425  
  - Hr: 4
- Course: CS 1328  
  - Hr: 3
- Course: MATH 3373  
  - Hr: 3
- Course: MATH 2320  
  - Hr: 3
- Course: MATH 1319  
  - Hr: 3
- Course: PHY1101  
  - Hr: 4
- Total: 17

**Sophomore Year - 1st Semester**
- Course: MATH 3377  
  - Hr: 3
- Course: COMM 1310  
  - Hr: 3
- Course: ENG 1320  
  - Hr: 3
- Course: IE 3316  
  - Hr: 3
- Course: IE 3310  
  - Hr: 3
- Course: IE 3360  
  - Hr: 3
- Course: IE 3350  
  - Hr: 3
- Total: 18

**Sophomore Year - 2nd Semester**
- Course: COMM 2310  
  - Hr: 3
- Course: COMM 3310  
  - Hr: 3
- Course: IE 4355  
  - Hr: 3
- Course: IE 4360  
  - Hr: 3
- Course: IE Elective (see gen. req. 5)  
  - Hr: 3
- Course: IE Elective (see gen. req. 5)  
  - Hr: 3
- Course: MFGE 4396  
  - Hr: 3
- Total: 18

**Junior Year - 1st Semester**
- Course: IE 3320  
  - Hr: 3
- Course: IE 4330  
  - Hr: 3
- Course: IE 4355  
  - Hr: 3
- Course: IE 4365  
  - Hr: 3
- Course: ENG Literature (see gen. req. 3)  
  - Hr: 3
- Course: IE Literature (see gen. req. 3)  
  - Hr: 3
- Course: IE Literature (see gen. req. 3)  
  - Hr: 3
- Total: 16

**Senior Year - 1st Semester**
- Course: IE 3330  
  - Hr: 3
- Course: IE 4370  
  - Hr: 3
- Course: IE 4380  
  - Hr: 3
- Course: MFGE 4380  
  - Hr: 3
- Course: IE 4396  
  - Hr: 3
- Total: 15

**Junior Year - 2nd Semester**
- Course: IE 3330  
  - Hr: 3
- Course: IE 4370  
  - Hr: 3
- Course: IE 4380  
  - Hr: 3
- Course: MFGE 4380  
  - Hr: 3
- Course: MFGE 4396  
  - Hr: 3
- Total: 15

**Senior Year - 2nd Semester**
- Course: IE 3330  
  - Hr: 3
- Course: IE 4370  
  - Hr: 3
- Course: IE 4380  
  - Hr: 3
- Course: MFGE 4380  
  - Hr: 3
- Course: MFGE 4396  
  - Hr: 3
- Total: 15

**Bachelor of Science**  
**Major in Manufacturing Engineering**  
**General Manufacturing Concentration**  
**Minimum required: 132 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 or 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 4357, MFGE 4387 (spring), or MFGE 4382 (spring), or MFGE 4396A, MFGE 4396B, or MFGE 4396C.
5. Three to four hours of Math/Science elective to be chosen from: MATH 3373, MATH 3350, PHYS 2430, PHYS 3315, or CHEM 1342 and 1142.

**Freshman Year - 1st Semester**
- Course: CHEM 1314  
  - Hr: 4
- Course: ENGR 1313  
  - Hr: 3
- Course: MATH 2471  
  - Hr: 4
- Course: US 1100  
  - Hr: 1
- Course: IE 3360  
  - Hr: 3
- Total: 16

**Freshman Year - 2nd Semester**
- Course: MATH 3373  
  - Hr: 3
- Course: MFGE 3316  
  - Hr: 3
- Course: MFGE 3350  
  - Hr: 3
- Course: MFGE 4363  
  - Hr: 3
- Course: MFGE 4396  
  - Hr: 3
- Total: 16

**Sophomore Year - 1st Semester**
- Course: ENGR 2300  
  - Hr: 3
- Course: IE 3360  
  - Hr: 3
- Course: MFGE 4396  
  - Hr: 3
- Course: MFGE 4396A  
  - Hr: 3
- Total: 15

**Sophomore Year - 2nd Semester**
- Course: MFGE 4396B  
  - Hr: 3
- Course: MFGE 4396C  
  - Hr: 3
- Course: MFGE 4396D  
  - Hr: 3
- Total: 15

**Junior Year - 1st Semester**
- Course: MFGE 4365  
  - Hr: 3
- Course: MFGE 4396  
  - Hr: 3
- Course: MFGE 4396A  
  - Hr: 3
- Course: MFGE 4396B  
  - Hr: 3
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**Junior Year - 2nd Semester**
- Course: IE 3310  
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- Course: IE 3320  
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- Course: MFGE 3360  
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- Course: MFGE 4365  
  - Hr: 3
- Total: 15

**Senior Year - 1st Semester**
- Course: IE 3310  
  - Hr: 3
- Course: IE 3320  
  - Hr: 3
- Course: MFGE 3360  
  - Hr: 3
- Course: MFGE 4365  
  - Hr: 3
- Total: 15

**Senior Year - 2nd Semester**
- Course: MFGE 4365  
  - Hr: 3
- Course: MFGE 4396  
  - Hr: 3
- Course: Manufacturing Processes (see gen. req. 4)  
  - Hr: 3
- Course: ENG Literature (see gen. req. 2)  
  - Hr: 3
- Total: 15
## Bachelor of Science
### Major in Manufacturing Engineering
#### (Semiconductor Manufacturing Concentration)

**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 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.

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<td>MFGE 3363</td>
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<tr>
<th>Junior Year - 1st Semester</th>
<th>Junior Year - 2nd Semester</th>
<th>Senior Year - 1st Semester</th>
<th>Senior Year - 2nd Semester</th>
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### Course Tree

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</table>
Courses in Electrical Engineering (EE)

2400 Circuits I. (3-2) This course provides an introduction to the profession of Electrical Engineering and its specialties. Fundamental DC and sinusoidal steady-state circuit analysis techniques and properties of electrical components are studied, and laboratory skills are developed. Analysis techniques include Ohm’s law, Kirchhoff’s law, Thévenin and Norton equivalent circuits. Prerequisites: MATH 2471.

2420 Digital Logic. (3-2) An introduction to fundamental computer technologies, including Boolean logic design, logic circuits and devices, and instructions for handwritten study. Laboratories provide hands-on experience with electricity, combinational and sequential digital circuits, and computer hardware. Prerequisite: C or higher in CS 1428.

3340 Digital Systems Design Using VHDL. (3-0) This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Prerequisites: EE 3420, CS 2408.

3350 Solid State Devices. (3-0) Semiconductor materials, principles of carrier motion, operating principles and circuit models for diodes, bipolar transistors and field-effect transistors, and operational amplifiers. Prerequisites: EE 3300 or 3400 with a C or better.

3355 Fundamentals of Advanced CMOS Technology. (3-0) Analysis and design of active device circuits and devices, feedback, and frequency response. Prerequisites: EE 3350 or 3400 with a C or better.

3360 Structural Analysis. (3-1) Principles of materials processing, characterization, fabrication, and equivalent circuits with emphasis on transistors, switching circuits, and operational amplifiers. Prerequisites: EE 3300 or 3400 with a C or better.

3363 Analog and Mixed Signal Design. (3-2) Operational amplifier circuits, feedback analysis, 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.

3370 Introduction to Microelectromechanical Systems. (3-1) Fabrication techniques for microelectromechanical devices and systems. Introduction to the design of micromechanical transducers and a Corequisite: EE 3420.

3376 Communication Systems. (3-3) Transmission of signals through linear systems, analog and digital modulation, filtering, and noise. Prerequisites: EE 3370, IE 3320, and 3 hrs from EE 3400 with a C or better.

3380 Circuits II. (3-2) This course includes a brief review of EE 2400, transient analysis, application of Laplace transforms, Bode plots, and network principles. Material learned in EE 2400 is extended and applied here. Prerequisites: EE 2400 and Math 3323.

3390 Microprocessors. (3-3) Introduction to microprocessors, principles of operation, assembly language programming, timing analysis, and I/O interfacing. Prerequisites: 3 hrs from EE 2320, EE 2420 or CS 2420 with a C or better. (WT)

3391 Digital Systems Design Using VHDL. (3-0) Design of digital systems using VHDL including implementation of custom microprocessor and peripheral architectures. Prerequisites: EE 3420.

3392 Digital Image Processing. (3-0) This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Prerequisites: EE 3420, CS 2408.

3393 Computer Networks. (3-1) Data communication concepts, protocols, algorithms, 7-layer OSI model, physical media, LAN architecture and components, Ethernet, TCP/IP, and related standards. Prerequisites: 3 hrs from EE 2320 or EE 2400 and 3 hrs from EE 3320 or EE 3420 with a C or better. (WT)

3394 Introduction to Wireless Communication. (3-1) Principles, practice, and system overview of wireless systems. Modulation, demodulation, coding, encoding, and multiple access techniques. Prerequisites: EE 3370.

3396 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: Not EE 1014.

3397 Data 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.

3398 Introduction to Engineering Design I. (3-3) Team-based design of a system or component, which will include oral presentations and written reports. Corequisites: 3 hours from EE 4350, EE 4352, or EE 4370. (WT)

3399 Digital Systems Design II. (3-1) Advanced team-based design of a system or component, which will include oral presentations and written reports. Prerequisites: EE 4390. (WT)

3400 Linear Systems in Electrical Engineering. (3-0) This course will cover advanced topics that cannot be fitted into a regular core course in the curriculum. Prerequisite: Faculty advisor approval.

3403 Network Analysis and Synthesis. (3-0) Using graph theory and network coding. Prerequisite: MATH 3375.

3407 Circuit Analysis and Design. (3-2) Extended and applied here. Prerequisites: 3 hrs from EE 2300 or EE 2300 with a C or better.

3410 Computer Networks. (3-1) Data communication concepts, protocols, algorithms, 7-layer OSI model, physical media, LAN architecture and components, Ethernet, TCP/IP, and related standards. Prerequisites: 3 hrs from EE 2320 or EE 2400 and 3 hrs from EE 3320 or EE 3420 with a C or better. (WT)

3411 Introduction to Wireless Communication. (3-1) Principles, practice, and system overview of wireless systems. Modulation, demodulation, coding, encoding, and multiple access techniques. Prerequisites: EE 3370.

3416 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: Not EE 1014.

3417 Data 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.

3420 Digital Signal Processing. (3-1) Discrete systems, convolution, spectral analysis, and FIR and IIR filter design. Prerequisites: EE 3370.

3421 Computer Networks. (3-1) Data 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.

3422 Introduction to Engineering Design I. (3-3) Team-based design of a system or component, which will include oral presentations and written reports. Corequisites: 3 hours from EE 4350, EE 4352, or EE 4370. (WT)

3423 Introduction to Engineering Design II. (3-1) Advanced team-based design of a system or component, which will include oral presentations and written reports. Prerequisites: EE 4390. (WT)

3424 Spreadsheets in Electrical Engineering. (3-0) This course will cover advanced topics that cannot be fitted into a regular core course in the curriculum. Prerequisite: Faculty advisor approval.

3429 Engineering Data Analysis. (3-0)  This course covers the principles of uncertainty, data analysis and modeling, basic statistical, and regression techniques. Prerequisites: MATH 1315, CHEM 1341.

3430 Cooperative Education. (0-1) Completion of technical/ engineering practicum special projects. Prerequisites: Approval of program coordinator.

3431 Mechanics of Materials. (3-1) This course covers the principles of mechanics of materials and covers 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. Corequisites: MATH 2471, ENGR 2475.

3435 Environmental Engineering. (3-0) Interdisciplinary course in the tools and techniques utilized to assess the impacts of engineering decisions and projects to include social, economic, and environmental aspects. Prerequisites: EE 3400, MAC 3424, or CEE 3424.

3440 Engineering Materials. (3-0) Structure, properties and behavior of engineering materials including metals, composites, ceramics, and polymers. Mechanical, thermal, and optical properties are covered. Prerequisites: MATH 1315, CHEM 1341.

3450 Business Administration. (3-1) Team-based design of a system or component, which will include oral presentations and written reports. Corequisites: 3 hours from EE 4350, EE 4352, or EE 4370. (WT)

3451 Introduction to Engineering Design I. (3-3) Team-based design of a system or component, which will include oral presentations and written reports. Corequisites: 3 hours from EE 4350, EE 4352, or EE 4370. (WT)

3452 Introduction to Engineering Design II. (3-1) Advanced team-based design of a system or component, which will include oral presentations and written reports. Prerequisites: EE 4390. (WT)

Courses in Engineering (ENG)

3313 Engineering Design Graphics. (2-2) An introductory communications course in the tools and techniques utilized to produce various types of working drawings. Principles of mechanical projection, machine design, and descriptive and pictorial sectional drawings. (WT)

3314 Engineering Design Graphics. (2-2) An introductory communications course in the tools and techniques utilized to produce various types of working drawings. Principles of mechanical projection, machine design, and descriptive and pictorial sectional drawings. (WT)

3317 Principles of Engineering Mathematics. (3-0) The course teaches the student to solve engineering problems using calculus, differential equations, and linear algebra. Prerequisites: MATH 2472 or MATH 3375.

3320 Materials Engineering. (3-0) Structure, properties, and behavior of engineering materials including metals, composites, ceramics, and polymers. Mechanical, thermal, and optical properties are covered. Prerequisites: MATH 1315, CHEM 1341.

3340 Operations Research. (3-0) This course teaches models in operational research in linear programming concepts, the simplex method, duality theory, sensitivity analysis, integer programs, and network flows. The emphasis is in learning to recognize problem solving techniques, to develop mathematical models to an engineering, and to use various methods of solving. The course also teaches mathematical programming languages. Prerequisites: CS 1428, MATH 3377, ENGR 3315.

3350 Project Management for Engineers. (3-0) Basic principles governing the efficient and effective management of engineering projects. Topics include project planning, scheduling, and cost estimation procedures. Prerequisites: ENGR 3315. (WT)

3352 Engineering Statistics. (3-3) Fundamentals of probability and statistical inference for engineering applications, probability distributions, parameter estimation, hypothesis testing, and analysis of variance. Prerequisite: MATH 2472.

3358 Quality Assurance Systems. (3-3) Quality assurance systems, quality costs, statistical quality control, and approaches for engineering quality into products and processes. Prerequisites: EE 3320.

3360 Engineering Management. (3-2) An introductory communications course in the tools and techniques utilized to produce various types of working drawings. Principles of mechanical projection, machine design, and descriptive and pictorial sectional drawings. (WT)
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>4360</td>
<td>Methods Engineering and Ergonomics</td>
<td>3.0</td>
<td>Survey of methods for assessing and improving performance of individual and group tasks. 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.</td>
</tr>
<tr>
<td>4310</td>
<td>Statistical Design of Experiments</td>
<td>3.0</td>
<td>Statistically designed experiments for engineering applications. Topics include analysis of variance, randomized complete block designs, factorial designs, and multiple regression from controlled experiments, and response surfaces. Prerequisite: IE 3320.</td>
</tr>
<tr>
<td>4320</td>
<td>Integrated Production Systems</td>
<td>3.0</td>
<td>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 includes both traditional and kanban systems. Prerequisite: IE 3340.</td>
</tr>
<tr>
<td>4330</td>
<td>Reliability Engineering</td>
<td>3.0</td>
<td>Reliability of components and systems, reliability models, life testing, failure analysis, and new product design. Prerequisite: IE 3320.</td>
</tr>
<tr>
<td>4340</td>
<td>Optimization Techniques</td>
<td>3.0</td>
<td>Mathematical modeling and computational methods for linear, integer, and nonlinear programming problems. Prerequisite: IE 3340.</td>
</tr>
<tr>
<td>4350</td>
<td>Supply-Chain Engineering</td>
<td>3.0</td>
<td>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.</td>
</tr>
<tr>
<td>4360</td>
<td>Facilities Planning</td>
<td>3.0</td>
<td>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.</td>
</tr>
<tr>
<td>4300</td>
<td>Human Factors Design</td>
<td>3.0</td>
<td>A survey of occupational safety and hazards control. Topics include the history of occupational safety; environmental relations; psychology; environment, and machines; and engineering management of hazards. Prerequisites: IE 3310 or MATH 3305, CS 1428.</td>
</tr>
<tr>
<td>4390</td>
<td>Industrial Engineering Capstone Design</td>
<td>3.0</td>
<td>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 construction capstone experience. Prerequisites: IE 3310, IE 3330 and at least two of: IE 4355, IE 3360, MFGE 4396, and IE 4351. Co-requisite: At least two courses from: IE 4320, IE 4350, and IE 4360.</td>
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<tr>
<td>4399A</td>
<td>Six Sigma Methodologies</td>
<td>3.0</td>
<td>A case study approach to Six Sigma DMAIC (Define, Measure, Analyze, Improve, Control) methodology, with focus on product and process design for Six Sigma Green Belt certification. Prerequisites: ENGR 3311, MFGE 4365, and senior standing.</td>
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<tr>
<td>4399B</td>
<td>Human Computer Interaction</td>
<td>3.0</td>
<td>Design and analysis of human-computer systems. Students will be exposed to human factors design and the methods and tools for evaluating and improving human-system interfaces. Prerequisites: IE 3320 or MATH 3364.</td>
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<tr>
<td>4399D</td>
<td>Modern Heuristic Optimization Techniques</td>
<td>3.0</td>
<td>Heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant colony optimization, and particle swarm optimization. Prerequisite: IE 3320 or TECH 3364.</td>
</tr>
<tr>
<td>4399E</td>
<td>Concurrent Process Engineering</td>
<td>3.0</td>
<td>Integrated design and development of products and processes; impact of ethical and cultural concerns on process design; world-wide enterprise 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.</td>
</tr>
<tr>
<td>4399F</td>
<td>Tool Design</td>
<td>3.0</td>
<td>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. Prerequisites: MFGE 3316 or ENGR 3316 or TECH 2310.</td>
</tr>
<tr>
<td>4370</td>
<td>Polymer Properties and Processing</td>
<td>3.0</td>
<td>Structure, physical properties; design considerations and processing techniques for polymer-based materials are presented. Processing methods include: injection molding, blow molding, thermofoming, compression molding, extrusion, filament winding, lay-up methods, vacuum bag molding and pultrusion. Prerequisite: MFGE 2332 or TECH 4362.</td>
</tr>
<tr>
<td>4376</td>
<td>Control Systems and Instrumentation</td>
<td>3.0</td>
<td>Theory of automated control systems and their applications to solve problems in industry and computing. Laboratory activities provide opportunities for applying the design and measurement activities of the product cycle. Prerequisite: ENGR 3308.</td>
</tr>
<tr>
<td>4316</td>
<td>Computer Aided Design and Manufacturing</td>
<td>3.0</td>
<td>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 program generation. Prerequisites: IE 3320; TECH 3345. ( WI) Process planning and design optimization. Prerequisites: MATH 3377, MFGE 4376 and PHYS 1430.</td>
</tr>
<tr>
<td>4355</td>
<td>Design of Machining Elements</td>
<td>3.0</td>
<td>This course will cover the general procedures in designing various machine elements. These elements include shafts and flanges, bearings, 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.</td>
</tr>
<tr>
<td>4357</td>
<td>Dynamics of Machinery</td>
<td>3.0</td>
<td>This course will cover the kinematics and kinetics of parts; 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. Prerequisite: MFGE 3340.</td>
</tr>
<tr>
<td>4356</td>
<td>Concurrent Process Engineering</td>
<td>3.0</td>
<td>Concurrent engineering; topics related to thin film processes i.e. CVD, PVD; planarization by chemical-mechanical polishing and rapid thermal oxidation; thin film deposition, characterization and applications. Prerequisites: MFGE 3316 or ENGR 3316 or TECH 4376. (WI) Process planning for novel materials for electronic and optical devices. Prerequisite: MFGE 4392.</td>
</tr>
<tr>
<td>4363</td>
<td>Reverse Engineering and Rapid Prototyping</td>
<td>3.0</td>
<td>This course 3D scanning technology for design, analysis, and manufacturing, is covered. Also, applications of the 3D scanning in reverse engineering and different rapid prototyping processes in a hands-on approach will be explained in this course. Prerequisites: MFGE 3316.</td>
</tr>
<tr>
<td>4399A</td>
<td>Introduction to Reinforced Polymer Nanocomposites</td>
<td>3.0</td>
<td>This introductory course in reinforced polymer nanocomposites focuses on materials, manufacturing, characterization, and applications. Includes, fundamentally polymer matrix composites.Threat will be the challenges in low-cost manufacturing for industrial applications, commercial successes, its impact on current market material, and future. Prerequisite: ENGR 2300.</td>
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</tbody>
</table>
Department of Engineering Technology

Roy F. Mitre Building, Room 2240
T: 512.245.2137 F: 512.245.3052
www.txstate.edu/technology

DEGREE PROGRAMS OFFERED
BS, major in Concrete Industry Management
BS, major in Construction Science and Management
BST, major in Engineering Technology
(The Electrical Engineering Technology Specialization)
BST, major in Engineering Technology
(The Construction Engineering Technology Specialization)
BST, major in Engineering Technology
(The Environmental Engineering Technology Specialization)
BST, major in Engineering Technology
(The Manufacturing Engineering Technology Specialization)
BST, major in Engineering Technology
(The Mechanical Engineering Technology Specialization)
BST, major in Industrial Technology
BST, major in Industrial Technology (Teacher Certification)
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 a formal, technical focus. Upon graduation, students are prepared to assume positions of professional responsibility in the areas of manufacturing, construction, concrete industry management, computer aided technologies, electronics, and education. Fourteen well-equipped technical laboratories serve to educate students in the techniques and processes used by contemporary world class industries.

The Bachelor of Science major 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 Technology, Environmental Engineering Technology, Manufacturing Engineering Technology, and Mechanical Engineering Technology. The Bachelor of Science in Technology major in Industrial Technology prepares students for work in industry in materials, processes, industrial safety, and concepts of industrial management. This degree has program majors in 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 Bachelor of Science major in Concrete Industry Management (CIM) 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.

The Bachelor of Science major in Construction Science and Management prepares students to enter professional careers in the construction industry. Graduates may become construction and project managers, estimators, schedulers, field engineers, general and/or subcontractors, code inspectors, home and commercial contractors, material suppliers and technical sales representatives. Students learn the technical aspects of how construction projects are completed through classes in residential building, engineering and industrial construction, and they learn how to manage construction through the required business minor and courses in estimating, scheduling and project management. Career opportunities are many in this industry, which comprises 16% of the Gross National Product.

Teacher Certification
A student seeking certification to teach at the secondary level must take CI 3325, 4332, 4343, 4370, RDG 3323 and EDST 4681. The student who has further questions should see the undergraduate advisor in Engineering Technology.

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A student seeking certification to teach at the secondary level must take CI 3325, 4332, 4343, 4370, RDG 3323 and EDST 4681. The student who has further questions should see the undergraduate advisor in Engineering Technology.

The Bachelor of Science major in Concrete Industry Management (CIM) 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.

The Bachelor of Science major in Construction Science and Management prepares students to enter professional careers in the construction industry. Graduates may become construction and project managers, estimators, schedulers, field engineers, general and/or subcontractors, code inspectors, home and commercial contractors, material suppliers and technical sales representatives. Students learn the technical aspects of how construction projects are completed through classes in residential building, engineering and industrial construction, and they learn how to manage construction through the required business minor and courses in estimating, scheduling and project management. Career opportunities are many in this industry, which comprises 16% of the Gross National Product.

Teacher Certification
A student seeking certification to teach at the secondary level must take CI 3325, 4332, 4343, 4370, RDG 3323 and EDST 4681. The student who has further questions should see the undergraduate advisor in Engineering Technology.
Bachelor of Science
Major in Construction Science and Management
Minimum required: 127 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 1341/1141 or 1410, humanities and visual and performing arts component: PHL 1320, 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. Effective Fall 2010: No "D" grades received at other institutions will be credited towards the major.
5. 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 1341/1141 or 1410, humanities and visual and performing arts component: PHL 1320, and social science- ECO 2301. See the University College section of this catalog for the English literature requirements.

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Bachelor of Science in Technology
Major in Engineering Technology
(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 2417, natural science- CHEM 1341/1141 and PHYS 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.

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Bachelor of Science in Technology
Major in Engineering Technology
(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 2417, natural science- CHEM 1341/1141 and PHYS 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.

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Bachelor of Science in Technology
Major in Engineering Technology
(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 2417, natural science- CHEM 1341/1141 and PHYS 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.

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Bachelor of Science in Technology
Major in Engineering Technology
(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 2417, natural science- CHEM 1341/1141 and PHYS 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.

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### 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.

### Bachelor of Science in Technology

#### Major in Engineering Technology

(Construction Engineering Technology Specialization)

Minimum required: 124 semester hours

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### Bachelor of Science in Technology

#### Major in Engineering Technology

(Environmental Engineering Technology Specialization)

Minimum required: 125 semester hours

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## Bachelor of Science in Technology
### Major in Engineering Technology
#### (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, TECH 4392; and 3 hours from: TECH 4357, TECH 4374.

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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 1341/141 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 | 4 | 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 2361 | 3
COMM 1310 | 3 | HIST 1310 | 3 | TECH 2370 | 3 |  
ART, DAM, 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 3394 | 3 | TECH 4357 | 3 | TECH 4390 | 3 | MGT 3303 | 3
TECH Advanced Elective (see gen. req. 1 & 4) | 6 | TECH Advanced Elective (see gen. req. 1 & 4) | 6 | TECH 4345 | 3 | TECH Advanced Elective (see gen. req. 1 & 4) | 3
Elective (see gen. req. 4) | 1-2 | HIST 1320 | 3 | PHIL 1305 | 3 | PFW one course | 3
PFW one course | 1 | POSI 2320 | 3 |  |  |  |

Total 14-15 | Total 15 | Total 13 | Total 12

Senior Year - 2nd Semester
---
Course | Hr
MGT 4320 | 3
TECH 4392 | 3
TECH Advanced Elective (see gen. req. 1 & 4) | 3
ENG Literature (see gen. req. 2) | 3
Total 12

Bachelor of Science in Technology  
Major in Industrial Technology  
(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 1341/141 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 | 4 | PHYS 1420 | 4
US 1100 | 1 | TECH 1330 | 3 | BIOL 1421 | 4 | TECH 2310 | 3
ENG 1310 | 3 | ENG 1320 | 3 | PHYS 1410 | 4 | TECH 2351 | 3
POSI 2310 | 3 | HIST 1310 | 3 | CIS 1323 | 3 | TECH 2370 | 3
COMM 1310 | 3 | Social Science Component (see gen. req. 2) | 3 | ENGR 1313 | 3 | TECH 2313 | 3
ART, DAM, MU, or TH 2313 | 3 | PFW one course | 1 |  |

Total 16 | Total 16 | Total 17 | Total 17

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 1220 | 3 | POSI 2320 | 3 | TECH 2330 | 3 | TECH 2360 | 3
PFW one course | 1 | PHIL 1320 | 3 | TECH 2344 | 3 | TECH 4392 | 3
CI 3312 | 3 | TECH 4374 | 3 | MC 4312 | 3
CI 3325 | 3 | TECH 4380 | 3 | CI 3325 | 3
CI 3326 | 3 | TECH 4390 | 3 | TECH 3322 | 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
TECH 4391 | 3 | ENG Literature (see gen. req. 2) | 3 | MGT 3303 | 3 | EDST 4681 | 6
TECH 4392 | 3 | CI 4320 | 3 | CI 4334 | 3 |  |
TECH 4393 | 3 | RDI 3333 | 3 |  |

Total 3 | Total 3 | Total 12 | Total 6
Minor in Technology

A minor in Technology requires 18 hours of Technology courses, or
whichever comes first. The minor must also include ACC 1401 and ACC 1402.

Minor in Technology

Bachelors in Science in Technology

Major in Industrial Technology Manufacturing Technology

Minimum required: 120 semester hours

General Requirements:
1. A minimum of 11 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 MATH 2417; natural science: CHEM 1301/1141 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

Course  Hr  
TECH 1330  3
CHEM 1141, 1341  4
CHEM 1142, 1342  4
ECO 2301  3
ENG 1310  3
ENG 2320  3
HIST 1320  3
HIST 2320  3
COMM 1310  3
COMM 1310  3
COMM 1310  3
COMM 1310  3
Comm 1320  3
HIST 1320  3
HISTORY (see gen. req. 2)  3
PHIL 1305  3
ECO 2301  3
TECH 2330  3
TECH 3364  3
TECH 2310  3
PHYS 1410  4
TECH 2310  3
Total  15

Total  30

Senior Year - 1st Semester

Course  Hr  
ART, DAK, MU, or TH 1313  3
Total  12

Total  42

Senior Year - 2nd Semester

Course  Hr  
MGT 4330  3
TECH 4398  3
TECH 4373  3
TECH advanced elective (see gen. req. 1 & 4)  3
Total  12

Total  39

Junior Year - 1st Semester

Course  Hr  
CHEM 1301  3
ENG Literature (see gen. req. 2)  3
HIST 1320  3
Total  9

Total  18

Junior Year - 2nd Semester

Course  Hr  
CHEM 1301  3
ENG Literature (see gen. req. 2)  3
HIST 1320  3
Total  9

Total  18

Junior Year - Summer 1 Session

Course  Hr  
Total  18

Total  36

Junior Year - Summer 2 Session

Course  Hr  
Total  18

Total  36

Senior Year - 1st Semester

Course  Hr  
TECH 1330  3
PHYS 1420  4
Total  14

Total  30

Senior Year - 2nd Semester

Course  Hr  
Total  16

Total  32

Courses in Industrial Technology (CIM)

3330 Concrete Construction Management (CIM)  3 This course covers 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 and MGT 3303.

3420 Fundamentals of Concrete: Properties and Testing (CIM)  3 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: CIM 3330.

3430 Management of Concrete Products – Ordering and Scheduling (CIM)  3 This course is designed to provide the student with a basic understanding of ordering and delivery process common to all concrete products. Emphasis will be in planning, organizing and controlling at both the first-line supervisor and managerial levels. Prerequisites: CIM 2303 and CIM 3303.

4340 Concrete Problems: Diagnosis, Prevention and Dispute Resolution (CIM)  3 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.

Courses in Manufacturing Technology (TECH)

1260 Introduction to the Construction and Concrete Industry (CIM)  3 This course introduces 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, thermal, induction, and forge welding; welding, weldability, weld metallurgy, 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.

1363 Manufacturing Processes I. (3-2) The course will provide an overview of the manufacturing processes. Major emphasis is placed on machining theory, setup and tooling. Metal forming and fabrication procedures are introduced. Joining and assembly includes welding, mechanical fastening, adhesive bonding and surface finishing concepts. Laboratory demonstrations and tutorials involve machining, joining and forming techniques.

1393 Manufacturing Processes II. (2-3) The course involves the fundamentals of casting and molding processes. Emphasis is placed on casting terminology, molding sand, molding processes, pattern making, coremaking and quality control. Ferrous and non-ferrous alloy composition and casting geometry are explored. Plastic and composite forming concepts are included. Micromechanical manufacturing principles and processes are introduced.

2160 Introduction to Construction Surveying and Site Layout. (1-1) General surveying and site layout techniques are studied using both optical levels and total stations.
2301 Introduction to Computer-Aided Design (CAD) (3-3) Principles of 3D modeling are introduced in the preparation of drawings for manufacturing processes. Emphasis includes the parametric solid modeling of machine elements and geometric dimensioning and tolerancing. The laboratory component involves production of engineering drawings and simulations using software for computer-aided engineering. Prerequisite: ENGR 1313 or Instructor’s Approval.


2330 Fundamentals of Pre-Construction. (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 the manufacturing conditions with regard to feed, speed, finish, tooling requirements, horsepower capabilities, time, and cost analysis complete the class. Prerequisite: MATH 1315.

2340 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. The properties of the materials are studied including characteristics, and processes used to manufacture and assemble these materials are studied. Laboratory activities are used to reinforce lecture material. Prerequisite: PHYS 1410 or 1430.

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 introduction of foundational technical developments and developments since the 19th century. Prerequisites: PHYS 2405 and MA TH 2471.

2351 Statics and Strength of Materials. (3-0) Prerequisites: TECH 2342 or ENGR 2300 with a minimum grade of C or MATH 2471 and TECH 2430.

2360 Structural Analysis. (3-0) Structural engineering fundamentals to include design loads, materials, the force placed on a structure, functions of a structure, and the analysis of statically determinate and indeterminate structures by classical and modern techniques. Prerequisite: Pre-Construction coursework completed and TECH 2351 with a minimum grade of C or MATH 2471 and TECH 2360.

2361 Commercial Building Construction Systems. (3-0) A commercial building construction systems class that deals with building codes, building codes, and business management. Prerequisite: TECH 2342 or ENGR 2300 with a minimum grade of C or MATH 2471 and TECH 2360 or Instructor’s Approval.

2364 Construction Project Management and Scheduling. (3-1) This course will include student development of contract documents produced through group participation. Prerequisite: TECH 2313 with a minimum grade of C.

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.

2380 Materials and Manufacturing Processes. (3-1) This course will involve students to various types of construction materials including ceramics, ferrous, non-ferrous, and organic materials used in construction. The properties of the materials are studied including characteristics, and processes used to manufacture and assemble these materials are studied. Laboratory activities are used to reinforce lecture material. Prerequisite: PHYS 1410 or 1430.

2390 Environmentally Conscious Design and Construction. (3-1) Environmental sustainability practices used in building design and construction will be studied. The LEED system will be used to guide the course. Examples of design and construction activities include: green roofs, sustainable site design, energy efficiency, water efficiency, and air quality.

2568 Environmentally Conscious Design and Construction. (3-1) Environmental sustainability practices used in building design and construction will be studied. The LEED system will be used to guide the course. Examples of design and construction activities include: green roofs, sustainable site design, energy efficiency, water efficiency, and air quality.
3492 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; 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.

3495 Automated Manufacturing Systems I. (3-3) This course primarily deals with automation in industrial systems. In particular, this course focuses on automation and control technologies in manufacturing systems at machine and device levels. Included in its structure are such fundamental areas as automation of industrial systems, numerical control, robotics, and PL/PC. Prerequisites: ENGR 1313, TECL 2310, MATH 3315 or Instructor's Approval.

3496 Automated Manufacturing Systems II. (3-3) This course primarily deals with automation in industrial systems. In particular, this course focuses on automation and control technologies at a system level. This course includes topics such as simulation of manufacturing systems, flexible manufacturing systems, automated quality control, automated identification, and automated material handling. Prerequisites: TECL 4395.

3497 Special Problems. (3-0) The investigation of a special topic by the instructor. Repeatable for credit with different emphasis. Prerequisites: Consult internship coordinator. (WI)

3498 Junior Internship. (0-20) Supervised on-the-job professional learning experience in the classroom phases 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 affective learning. A final report summary or presentation will conclude the project. Prerequisites: Consult internship coordinator. (WI)

3500 Senior Internship. (0-20) Continued on-the-job professional learning experience in the classroom phases 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 affective learning. A final report summary or presentation will conclude the project. Prerequisites: TECH 2370 or PHYS 2425.

3501 Driver and Traffic Safety Education I. (3-3) Content, procedures, and administration of multi-phase driver education programs. Topics include scheduling, maintenance and operation of laboratory equipment, record keeping, lesson development, and field 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.

3502 Driver and Traffic Safety Education II. (3-3) This course mainly deals with automation in industrial systems. In particular, this course focuses on automation and control technologies in manufacturing systems at machine and device levels. Included in its structure are such fundamental areas as automation of industrial systems, numerical control, robotics, and PLC. Prerequisites: ENGR 1313, TECL 2310, MATH 3315 or Instructor's Approval.

3503 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 development, and field 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.

3504 Microelectronics Manufacturing II. (3-0) This course primarily deals with automation in industrial systems. In particular, this course focuses on automation and control technologies in manufacturing systems at machine and device levels. Included in its structure are such fundamental areas as automation of industrial systems, numerical control, robotics, and PLC. Prerequisites: ENGR 1313, TECL 2310, MATH 3315 or Instructor's Approval.

3505 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 development, and field 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.
The mission of the Center for Mathematics Readiness is to provide students with a fresh perspective, immersing them into the world of Mathematics through infrastructure planning, content and curricula, technical support and evaluation. This will ensure that all students are afforded the opportunity to succeed, not just in college, but in life as well.

**Majors**

The department offers the Bachelor of Arts with a major in Mathematics with or without teacher certification and the Bachelor of Science with a major in Applied Mathematics. Any major consists of 17 required credit hours and 21 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 2341, 2417, 3330, 3333, 3334, 3377, 3380, and 9 semester hours from Math 3348, 3375, 3398, 4305, 4306, 4307, 4336, and 4346.

For the BA or BS, a major in mathematics requires at least 38 semester hours, including MATH 2341, 2417, 3330, 3333, 3334, 3377, 3380, and 9 semester hours from Math 3348, 3375, 3398, 4305, 4306, 4307, 4336, and 4346.

**Teacher Certification**

A student seeking teacher certification to teach at the secondary level must take EDG 3323, EDST 4681; and CI 3325, 4322, 4545, 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, 3354, 3360, 3377, 3380, 4304, and 4307.

**Bachelor of Science with a major in Mathematics**

Minimum required: 120 semester hours

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<thead>
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<th>General Requirements:</th>
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<tr>
<td>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.</td>
</tr>
<tr>
<td>2. See the University College section of this catalog for general education core curriculum requirements.</td>
</tr>
<tr>
<td>3. If two years of the same foreign language were taken in high school, then no additional foreign language hours will be required for the degree. In the absence of such high school foreign language, two semesters of the same modern language must be taken at the college level.</td>
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<tr>
<td>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.</td>
</tr>
<tr>
<td>5. At least 36 hours are required in mathematics and must include MATH 2471, 2472, 3305, 3333, 3377, 3380, 4307, and 4336. Notice that MATH 3315, 4302, 4303, 4304, and 4341 are not in the list of elective courses when taking the plan that includes MATH 2471. 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.</td>
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<tr>
<td>6. The fourth English course may be an additional sophomore level English Literature or ENG 3303, Technical Writing.</td>
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<tr>
<td>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.</td>
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<tr>
<th>Bachelor of Science Major in Mathematics</th>
<th>Minimum required: 120 semester hours</th>
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<td>MATH 4307</td>
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### Bachelor of Science
Major in Mathematics
(Teacher Certification)

Minimum required: 120 semester hours

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<th>General Requirements:</th>
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<tr>
<td>1. A minimum of 40 writing-intensive hours and a total of 38 advanced hours are required to graduate. An advanced course is one that is numbered above 3300 and below 5000.</td>
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<tr>
<td>2. See the University College section of this catalog for general education core curriculum requirements.</td>
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<td>3. If fewer than 2 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.</td>
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<tr>
<td>4. Even though MATH 2413 is specified for graduation, students should meet with their academic advisor before registering for this course.</td>
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<tr>
<td>5. A total of 38 hours are required in mathematics and must include MATH 2471, 2472, 3305, 3315, 3320, 3335, 3350, 4344, 4347 and 4349 and six hours from MATH 3325, 3335, 3375, 3379, 4350, 4360, PHYS 3320, CS 3376, or IE 3320.</td>
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<tr>
<td>6. The fourth English course may be sophomore level English Literature or ENG 3303 Technical Writing.</td>
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<td>7. A minor in Secondary Education and admission into the Teacher Preparation Program is required. Visit the Office of Educator Preparation (OEP) website for more information, <a href="http://www.education.tamu.edu/">http://www.education.tamu.edu/</a></td>
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#### Freshman Year - 1st Semester

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#### Senior Year - 2nd Semester

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### Minor in Applied Mathematics

A minor in Applied Mathematics requires at least 20 hours, including MATH 2417, 2472 and the remaining courses from this list: MATH 3305, 3323, 3344, 3373, 3375, 3377, 3398, 4306, PHYS 3320, CS 3376, or IE 3320. Students can take only one of: PHYS 3320, CS 3376, or IE 3320 and students may not receive credit for both MATH 3395 and IE 3320.

#### Minor in Mathematics

A minor in Mathematics requires at least 20 hours, including MATH 2471, 2472 and the remaining courses from this list: MATH 3325, 3323, 3335, 3344, 3373, 3375, 3377, 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. Credit for this course will not count toward any baccalaureate degree offered by the University.

**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. Credit for this course will not count toward any baccalaureate degree offered by the University. 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 55 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.

**1361 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.

### Minor in Mathematics (MATH)

A minor in Mathematics requires at least 20 hours, including MATH 2471, 2472, and the remaining courses from this list: MATH 3325, 3323, 3335, 3344, 3373, 3375, 3377, 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. Credit for this course will not count toward any baccalaureate degree offered by the University. 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 55 or more.

**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. Credit for this course will not count toward any baccalaureate degree offered by the University. 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 55 or more.

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**1366 (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 Algebra score of 46 or more.

**1371 (MATH 1336) 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 Algebra score of 46 or more.

**2417 (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: MA TH2417 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 (MA TH 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: MA TH 2471 with a grade of "C" or higher.

3380 Analysis I. (3-0) An introduction to the theory of real functions. Topics include limits, continuity, existence and uniqueness of solutions of differential equations, measure, integration, and convergence of sequences and series. Prerequisite: MA TH 2312 with a grade of "C" or higher.

3382 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. Prerequisite: A grade of "C" or higher in two of these three: MA TH 3380, 4307, or 4330. (WI)

3398 Discrete Mathematics II. (3-0) A continuation of discrete mathematics. Prerequisite: MA TH 3350 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, and calculus. Prerequisite: MA TH 3330 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. Prerequisite: Consent of instructor.

4509 Introduction to Combinatorics. (3-0) This course introduces fundamental concepts and results in combinatorics such as counting techniques, binomial coefficients, and recurrence relations and applications in different fields such as complexity of algorithms and graph theory. Mathematical proofs are an essential part of this course. Prerequisite: MA TH 2472 with a grade of "C" or higher.

4520 Linear Algebra. (3-0) A course covering vector spaces, linear transformation, matrices, systems of linear equations, and inner product spaces. Prerequisite: MA TH 2312 with a grade of "C" or higher.

4521 Engineering Mechanics. (3-0) An introductory course in engineering mechanics. Prerequisite: MA TH 2472 with a grade of "C" or higher.

4522 Engineering Mechanics. (3-0) A course covering vector spaces, linear transformation, matrices, systems of linear equations, and inner product spaces. Prerequisite: MA TH 2312 with a grade of "C" or higher.

4530 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: MA TH 3350 or 3380 with a grade of "C" or higher.
**Bachelor of Arts**

**Major in Physics**

**Minimum required: 120 semester hours**

**General Requirements:**
1. A maximum of 6 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. The major requires 31-34 hours.
3. 9-12 additional hours of advanced physics courses selected from PHYS 3315 (spring), 3414 (fall) & 3416 (spring), 3417 (fall), 4310, 4311 (fall), 4312 (fall), 4315 (spring), 4317 (fall), 4320 (see dept.), 4321 (see dept.), or 4340 (spring).
4. Majors should consult the department advisor or the College of Science and Engineering Advising Center before choosing a minor and the electives.
5. The major requires at least 44-46 semester hours.
6. At least 9.11 advanced PHYS courses from PHYS 3315 (spring), 3416 (spring), 3417 (fall), 4310 (fall), 4311 (fall), 4312 (fall), 4320 (see dept), 4321 (see dept.), or 4340 (spring) or courses approved by the department advisor.
7. Recommended minor is mathematics. Minors and electives should be chosen in consultation with the academic advisor.
8. Minimum required: 120 semester hours

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**Bachelor of Science**

**Major in Physics**

**Minimum required: 120 semester hours**

**General Requirements:**
1. A maximum of 6 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. If 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 courses from PHYS 3315 (spring), 3416 (spring), 3417 (fall), 4310 (fall), 4311 (fall), 4312 (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. Minimum required: 120 semester hours

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Minor in Physics
A minor in Physics requires PHYS 1430, 2425, 2435, and 3122, and at least six hours of advanced physics.

Courses in Physics (PHYS)
1110 (PHYS 1105) Elementary Physics Laboratory. (0-2) First of a two laboratory course sequence in general Physics. Course introduces the students to experimental measurements and demonstration of principles of electricity, magnetism, optics, modern physics, electromagnetic waves. Prerequisites: PHYS 1315, PHYS 1115, Prerequisite or Co-requisite: PHYS 1315.
1120 (PHYS 1110) 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 course exploring and illustrating the basic and fundamental principles of physics and the physical world around us. The 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.
1315 General Physics I (3-0) The first course in a two semester sequence which is a survey of the basic laws and principles of physics and includes the topics of mechanics and heat. Designed for 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. PHYS 1310 and concurrent enrollment in PHYS 1115 are recommended.
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 liberal arts students. 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.
1325 General Physics II (3-0) 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, light, electricity and magnetism. Designed for students whose program requires technical physics, but who are not pre-engineering students or majors or minors in physics. Prerequisites: PHYS 1315; MATH 1315 with a grade of “C” or higher. MATH 1317 and concurrent registration in PHYS 1125 are recommended.
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. Exploration of telescopes and ancient astronomy will also be included.
1350 (PHYS 1311) Astronomy: Stars and Galaxies. (3-0) A study of the universe beyond the solar system. Topics included are a study of stars, star clusters, nebulae, globules, and an introduction to some aspects of cosmology.
1400 (PHYS 2425) Mechanics. (3-0) This course covers the principles of classical mechanics through problem solving and laboratory investigations. PHYS 1315, 1340, 2425, and 2435 are designed for students majoring in physics and for pre-engineering students. Credit for both PHYS 1410 and 1450 cannot be given. Co-requisite: MATH 2471. (MC)
2425 (PHYS 2425) Electricity and Magnetism. (3-3) A study of the field of electricity and magnetism for physics majors and minors. PHYS 1430, 2425, and 2425 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 2435) 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.
3101 Mathematical Physics. (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 1315/1115 or 1410 and PHYS 1325/1125 or 1420 or equivalent.
3122 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 Schroedinger equation. Prerequisite: PHYS 2435.
3150 Thermodynamics. (3-0) The fundamental study of thermodynamic and statistical mechanics. Prerequisites: MATH 3323. PHYS 2435 or PHYS 1325/1125 or concurrent PHYS 2425; ENGR 2300. 
3220 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. (W)
3412 Quantum Mechanics I. (3-0) An introduction to quantum mechanics. Topics include mathematical foundations, fundamental postulates, time development, and one dimensional problems. Prerequisites: PHYS 3323; PHYS 3312; and six additional hours of advanced physics. Prerequisite: MATH 3323. 
3413 Quantum Mechanics II. (3-0) An advanced course in quantum mechanics intended as an elective for students intending to pursue graduate study in physics. Topics include angular momentum, three dimensional problems, matrix mechanics, and perturbation theory. Prerequisite: PHYS 3412.
3414 Mechanics II (3-0) Fundamentals of Classical Mechanics focusing on the physical description of the behavior of single and multiple particle systems. Topics include central force motion, rigid body rotation, and coupled oscillations. This course is intended as an elective for students intending to pursue graduate study in physics. Prerequisites: PHYS 3414, MATH 3323.
3415 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 3410.
3420 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 only with different emphasis and professor for additional credit. Prerequisite: Instructor approval.
3421 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.
3430 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)
The objective of the BGS is to help each student who enters the program develop a unique career goal that is matched by three Texas State minors. Those best suited for the BGS either have a career goal which is not well supported by a traditional Texas State minor or they are willing to make the decisions that will lead to a clear career/goal. Others may be undecided or unclear about career choices occasionally not mesh well with academic resources and the BGS program develop a unique career goal that is matched by three minors best match the career goal. Even with the large number of minors available at Texas State, some students’ interests may occasionally not mesh well with academic resources and the BGS may not be an appropriate choice. In those cases, GNST 350, a twice-a-semester course allowing students to examine their goals and talents, and to match them with careers as well as traditional Texas State degree programs may be recommended.

As with any major, it is important to check with a University College advisor on a regular basis to ensure that progress is being made in meeting BGS program requirements. Students are reminded to take particular notice that minors used for the BGS must be in good academic standing at Texas State University.

The following BGS policies are particularly important to note:

- Only BGS majors may register for GNST 3350 and GNST 4350 and both courses must be successfully completed at Texas State in order to be applied to the BGS degree. (Under some circumstances, students with Honors minors may be allowed to substitute HON 498B-Honors Thesis if the topic meets the requirements of GNST 4350.)
- Successful completion (C or higher) of GNST 3350 is required before taking GNST 4350. These courses may not be taken concurrently. Both courses are offered only during the Fall and Spring semesters and are not available online.
- Work or content is duplicative. A course may be counted toward more than one minor only if it is specifically required by those minors. Once minors are matched with the career choice, they may not be changed without consultation with and approval of BGS faculty.

Please refer to the BGS Information Session for all students regarding the requirements and criteria needed to successfully complete requirements or prerequisites from time to time.

In order to be advised for the BGS program, register for GNST 3350 or 4350, or enter the BGS program, students must be in good academic standing at Texas State University. Those who are not in good academic standing and/or have questions about potential majors may make an appointment with University College Exploratory Advisors.

Bachelor of General Studies

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<th>General Requirements:</th>
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<tr>
<td>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.</td>
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<td>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.</td>
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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 |
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The following BGS policies are particularly important to note:

- In order to be advised for the BGS program, register for GNST 3350 or 4350, or enter the BGS program, students must be in good academic standing at Texas State University. Those who are not in good academic standing and/or have questions about potential majors may make an appointment with University College Exploratory Advisors.

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.

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Courses in General Studies (GNST)

3350 Interdisciplinary Preparation. (3.0) This course includes assignments designed to encourage self-analysis of career interests and planning, and selection of component minors for BGS majors. Students will develop a degree plan matched to their career interests and/or their initial proposal for the GNST 3350 project. Successful completion requires a grade of C or higher. Prerequisite: Declaration of the BGS major, Texas State GPA 2.0 or better, instructor permission.

4350 Interdisciplinary Project. (3.0) In this course students will complete an applied, interdisciplinary project incorporating all BGS component majors. The Project will consist of research, interviews, literature reviews, graphic support and other information gathering, presentation and analysis resulting in a written product targeted at the student’s chosen area. Successful completion requires a grade of C or higher. Prerequisite: Required Texas GPA 2.0 or better, successful completion of GNST 3350, instructor permission.

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 are encouraged to contact University College to initiate the process. Students transferring from other institutions of higher education 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 general education requirements. The advising goal is to provide accessible, friendly, an accurate advising.

University College Advising and PACE Center is located on the first floor of the Undergraduate Academic Center and is open between 8:00 a.m. and 5:00 p.m., Monday through Friday. Services include assistance with curriculum, advising sessions before and during registration, and probation advising sessions.

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 in 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/nse.html.

University Seminar

Undergraduate Academic Center, First Floor
T: 512.245.7952 F: 512.245.7908
www.txstate.edu/ucollege/universityseminar

University Seminar (US 1100) helps incoming freshmen transition to college life and should be taken during the students first semester at Texas State. Its small class setting allows students to get to know each other as well as their instructor. Classes meet once a week for 16 weeks during the fall semester.

University Seminar gets new students involved in the university community and supports PACE initiatives through related instruction, activities and guidance. Class assignments may include attending a university event such as a play or a keynote speech and writing a short report about the experience. Through US 1100 career assessment projects, students learn about individual career interests, find organizations and activities related to their academic fields, and develop a plan that will lead to graduation and professional success.

Taught by a diverse faculty, instructors of the course include professors, staff members, and administrators from departments across the Texas State campus. All instructors have at least a master’s degree and lend their unique and varied perspectives to enrich each classroom. 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 (1-4) University Seminar is an introduction to the nature and aims of university education, with special emphasis on the value of broad learning. (MC/MP)

Texas Success Initiative Program

Undergraduate Academic Center, First Floor
T: 512.245.3942 F: 512.245.7648
www.txstate.edu/tsip

The Texas Success Initiative Program (TSIP) is a statewide initiative created to improve student success in college-level coursework. As part of the program, all students enrolled in Texas public colleges or universities complete required assessments to determine math, reading, and writing proficiency. Developmental course instruction is provided to students needing to strengthen their basic academic skills. More information about this program, assessment requirements, and exemptions can be found in the Academic Policies section of the catalog under Texas Legislative Requirements.
http://www.tsthsc.edu/2012-2014/texastateuniversity/catalog//home.html# tatsächlicher_text__faculties__texas_state_university_san_marcos__2012-2014__catalogue
Are you ready to proceed with the request?
Texas State University-San Marcos
Pliley, Jessica R., Associate Professor, Physics. Ph.D., North Carolina State University.

Pizer, Alan D., Assistant Professor, Curriculum and Instruction. Ph.D., University of Texas at Austin.

Pino, Nathan W., Lecturer, Family and Consumer Sciences. M.Ed., Texas A&M University.

Petersen, James Frederick, Professor, Electrical Engineering. Ph.D., University of Texas at Austin.

Perrin, Elvia, Lecturer, Theatre and Dance. B.S., University of Texas at Austin.

Penzerro, Rose Marie, Lecturer, Social Work. Ph.D., University of Texas at Austin.

Peng, Wuxu, Professor, Journalism and Mass Communication. Ph.D., University of Texas at Austin.

Peacock, Stephanie B., Lecturer, Communication Studies. M.A., New Mexico State University.

Paulson, Jennifer Whalen-Shaw, Lecturer, Marketing. M.B.A., Rutgers State Univ of New Jersey, Newark.

Patschke, Ronald B., Assistant Professor, Counseling, Leadership, Adult Education, and School Psychology. Ph.D., University of Denver.

Park, Reesor, Nevitt D., Associate Professor, Clinical Laboratory Science. M.Ed., Texas Tech University.

Real, Patrick J., Lecturer, Mathematics. M.S., Iowa State University.

Quintero, Michelle A., Assistant Professor, Modern Languages. Ph.D., Ohio State University.

Priebe, Roger L., Senior Lecturer, Accounting. M.B.A., Texas State University-San Marcos.

Pride, Daniel J., Lecturer, English. M.A., Miami University.

Pipkin, J. Leroy, Professor, Communication Sciences and Disorders. Ph.D., University of Texas at San Antonio.

Piper, Jean M., Assistant Professor, Curriculum and Instruction. M.A., Texas State University-San Marcos.

Pope, Colin, Professor, Ingram School of Engineering. Ph.D., University of Arizona.

Pope, Reilly, F., Lecturer, Anthropology. Ph.D., University of Texas at Austin.

Pope, Ralph A., Lecturer, Counseling, Leadership, Adult Education, and School Psychology. Ph.D., University of Texas at San Antonio.

Pohl, Brice, Assistant Professor, Chemistry. M.S., Texas A&M University.

Pongs, Daniel L., Professor, Curriculum and Instruction. M.A.R.E., Southeastern Baptist Theological Seminary.

Quraishi, Clarice, Assistant Professor, Curriculum and Instruction. Ph.D., Texas A&M University.

Qasem, Apan M., Lecturer, Theatre and Dance. M.A., Texas State University-San Marcos.

Quinones, Alfonso, Lecturer, Chemistry and Biochemistry. M.S., Texas State University-San Marcos.

Ramirez, Emilio, Lecturer, Comparative Literature. M.A., University of Texas at Austin.

Reeder, Shari N., Professor, Health and Human Performance. M.S., Western Illinois University.

Reed, M. D., Associate Professor, Accounting. Ph.D., University of Texas at San Antonio.

Reed, J. F., Lecturer, Theatre and Dance. M.A., Texas State University-San Marcos.

Reed, K. L., Instructor, Theatre and Dance. B.A., University of Texas at Austin.

Reed, L. A., Professor, Mathematics. M.Sc., University of Texas at Austin.

Reed, L. A., Assistant Professor, Accounting. Ph.D., University of Arkansas.

Reehal, Sherry A., Senior Lecturer, Accounting, M.B.A., Texas State University-San Marcos.

Reilly, F., Professor, Anthropology. Ph.D., University of Texas at Austin.

Reichard, Janice, Lecturer, Psychology. Ph.D., Texas A&M University.

Reichard, Brett, Assistant Professor, Accounting. Ph.D., University of Texas at Austin.

Reichard, Leslie M., Associate Professor, Philosophy. B.A., Texas State University.

Regan, John W., Professor, English. B.A., St. Louis University.

Rehn, Rodney S., Assistant Professor, Psychology. Ph.D., University of Connecticut.

Reichard, Robert F., Assistant Professor, Counseling, Leadership, Adult Education, and School Psychology. Ph.D., University of North Texas.

Rhode, Matthew S., Lecturer, Art and Design. M.A., Texas State University-San Marcos.

Riffee, Evan M., Lecturer, Criminal Justice. M.S.C.J., Texas State University-San Marcos.

Richey, Shannon L., Lecturer, Theatre and Dance.

Richards, Stacey L., Assistant Professor, Computer Science. Ph.D., University of North Texas.

Ricks, Susan, Associate Professor, St. David’s School of Nursing. D.N.S., Louisiana State University Medical Center.

Riley, Benjamin J., Associate Professor, Biochemistry and Pre-Medical Sciences. Ph.D., Ohio State University.

Rim, Linda, Lecturer, Curriculum and Instruction. M.Ed., University of North Texas.

Rinehart, Michael W., Lecturer, Computer Information Systems. B.S., Southwestern Oklahoma State University.

Rios, David, Associate Professor, Philosophy. Ph.D., University of Texas at Austin.

Rizvi, Umme, Lecturer, Curriculum and Instruction. Ph.D., Oregon State University.

Roberts, Rhodes, Lecturer, Sociology. M.S., University of Houston.

Roberts, Brian H., Lecturer, Mathematics. B.S., University of Texas at Austin.

Roberts, John E., Lecturer, Art. B.F.A., University of Texas at Austin.

Roberts, Jerry A., Lecturer, Sociology. B.A., University of Texas at Austin.

Roberts, Kevin W., Associate Professor, Sociology. Ph.D., University of California, Los Angeles.

Roberts, Steve, Lecturer, Business. M.B.A., Texas State University-San Marcos.

Roberts, Traci O., Lecturer, Health and Human Performance. M.S., Western Illinois University.

Roberts, Robert E., Lecturer, Accounting. B.A., University of Texas at Austin.

Roberts, Sherry B., Professor, Clinical Laboratory Science. Ph.D., University of North Texas.

Roberts, J. D., Lecturer, Theatre and Dance. M.A., Texas State University-San Marcos.

Robert, Robyn R., Assistant Professor, Accounting. Ph.D., University of North Texas.

Roberts, Andrew, Lecturer, Communication Studies. M.S., Texas A&M University.

Roberts, Jonathan, Lecturer, English. M.A., Texas State University-San Marcos.

Rogers, Robyn R., Assistant Professor, Counseling, Leadership, Adult Education, and School Psychology. Ph.D., University of North Texas.

Rogers, Sarah, Associate Professor, Curriculum and Instruction. Ph.D., Louisiana State University.

Rogers, Shawn, Lecturer, Social Work. M.S., University of Texas at Austin.

Rogers, Robert, Professor, Ingram School of Engineering. Ph.D., University of Texas at Austin.

Rogers, Shawn, Lecturer, Social Work. M.S., University of Texas at Austin.

Rogers, Robin L., Assistant Professor, Management. Ph.D., University of Maryland-Baltimore County.

Rogers, Scott, Lecturer, Accounting. M.B.A., Texas State University-San Marcos.

Rogers, Jonathan, Professor, Ingram School of Engineering. Ph.D., Virginia Polytechnic Institute and State University.

Roffman, Jennifer, Lecturer, Curriculum and Instruction. M.Ed., Texas State University-San Marcos.

Rogers, Jason D., Lecturer, Sociology. Ph.D., University of North Dakota.

Rojman, Laura, Lecturer, Mathematics. Ph.D., University of New York at Buffalo.

Rogers, Magdalena, Lecturer, Sociology. M.S., University of North Texas.

Rogers, Rebecca, Assistant Professor, Accounting. Ph.D., University of Texas at Austin.

Rogers, Samuel M., Lecturer, Management and Information Systems. Ph.D., Florida State University.

Rogers, Michael, Associate Professor, Computer Science. Ph.D., University of Houston.

Rothenberg, Elizabeth, Lecturer, Anthropology. Ph.D., University of Texas at Austin.

Rothenberg, Carolyn, Associate Professor, Curriculum and Instruction and Assistant Dean, College of Education. Ph.D., University of Texas at Austin.

Roth, William, Associate Professor, Computer Science. Ph.D., University of Texas at Austin.

Rothman, Douglas, Assistant Professor, Psychology. Ph.D., University of Texas at Austin.

Roth, Ronald, Lecturer, English. M.A., University of Texas at Austin.

Rothwell, John, Lecturer, Health and Human Performance. Ph.D., University of North Carolina at Chapel Hill.

Rothwell, John W., Professor, Business. Ph.D., University of Texas at Dallas.

Rothwell, David L., Lecturer, Curriculum and Instruction. M.Ed., Texas State University-San Marcos.

Roy, Douglass W., Lecturer, Mathematics. M.S., Iowa State University.

Rudnick, Leonard, Assistant Professor, Chemistry. Ph.D., University of California, Los Angeles.

Rudnick, Mark, Professor, Psychology. Ph.D., University of Utah.

Rush, Kebirn R., Lecturer, Sociology. Ph.D., University of Texas at Austin.

Russell, Alisha S., Assistant Professor, Psychology. Ph.D., University of Texas at Austin.

Rushford, Michael, Lecturer, Psychology. Ph.D., University of Texas at Austin.

Rutledge, Jennifer, Lecturer, Curriculum and Instruction. Ph.D., University of Texas at Austin.

Rutledge, Mark, Lecturer, Mathematics. M.A., Texas A&M University.

Rutledge, Matthew W., Associate Professor, Mathematics. Ph.D., University of Texas at Austin.

Rutledge, Joseph, Associate Professor, Communication Information Systems and Quantitative Methods.

Rutledge, Joseph, Associate Professor, Computer Information Systems and Quantitative Methods. Ph.D., Arizona State University.

Rutledge, Rohit V., Professor, Chemistry. Ph.D., University of Arizona.

Rutledge, Sherry, Associate Professor, Mathematics. Ph.D., Texas A&M University.

Rutledge, Traci, Lecturer, Mathematics. Ph.D., University of Texas at Austin.
Sriraman, Vedaraman, Lecturer, Family and Consumer Sciences, M.E.M.T., University of Kansas.

Springer, Stephen B., Associate Professor, Physics. Ph.D., University of Texas at Austin.

Spencer, Gregory F., Associate Professor, Mathematics. Ph.D., Emory University.

Spellmann, John Winston, Assistant Professor, Theatre and Dance. M.F.A., University of Houston.

Song, In-Hyouk, Lecturer, Political Science. J.D., Penn State University Park.

Snyder, David Fred, Assistant Professor, Psychology and Assistant Vice President and Director of the Counseling Center. Ph.D., University of Miami Florida.

Smith, Maureen M., Lecturer, Respiratory Care. B.S.R.C., Texas State University-San Marcos.

Smith, Michael Z., Assistant Professor, English. Ph.D., University of Wisconsin-Madison.

Smart, Dennis A., Assistant Professor, Management. Ph.D., Texas A&M University.

Smith, David L., Associate Professor, Music. Ph.D., University of Texas at Austin.

Smith, Chieko Day, Lecturer, Sociology, Pennsylvania State University, U.S.A.

Smith, Cheryl, Associate Professor, Counseling, Leadership, Adult Education, and School Psychology. Ph.D., University of Oregon.

Smith, D. Leroy, Associate Professor, Business. M.B.A., The University of Texas at Austin.

Smith, Dylan E., Assistant Professor, Computer Science. Ph.D., University of Texas at Austin.

Smith, Donald M., Assistant Professor, Education. Ph.D., University of Houston.

Smith, Katrina D., Associate Professor, Modern Languages. Ph.D., Emory University.

Smith, L. Warren, Associate Professor, Biology. Ph.D., University of Pittsburgh.

Smith, Robert, Lecturer, Theatre and Dance. M.F.A., University of Texas at Austin.

Smith, Stacey T., Professor, Art and Design. M.A., M.F.A., University of Iowa.

Smith, Todd, Assistant Professor, Political Science. Ph.D., University of Texas at Austin.

Smith, Tracy J., Assistant Professor, Political Science. Ph.D., Stanford University.

Smith, W. Edward, Associate Professor, Health Information Management. Ph.D., University of Texas at Austin.

Smith, Wenceslaus, Associate Professor, Modern Languages. Ph.D., Emory University.

Smith, William J., Assistant Professor, Accounting. Ph.D., University of Houston.

Smith, William K., Lecturer, Political Science. Ph.D., The University of Texas at Austin.

Snoke, Reed C., Assistant Professor, Biology. Ph.D., University of Texas at Austin.

Sohn, Il-Kyung, Assistant Professor, Political Science. Ph.D., University of California, Berkeley.

Soltysik, Robert A., Associate Professor, Philosophy and Assistant Provost and Director of the Counseling Center. Ph.D., University of California, Los Angeles.

Sonder, David Fred, Assistant Professor, Mathematics. Ph.D., University of Tennessee.


Sotile, Phillip J., Lecturer, Theatre and Dance. M.F.A., University of Texas at Austin.

Sotile, Shawn K., Assistant Professor, Theatre and Dance. M.F.A., Yale University.

Sotile, Tracey L., Professor, Philosophy, M.A., Macalester College, Saint Paul, Minnesota.

Sotile, Victoria A., Associate Professor, English. Ph.D., University of California Santa Cruz.

Sowah, Kwesi, Lecturer, Communication, Adult Education, Leadership, and Social Science. Ph.D., Florida State University.

Sowah, Kwesi, Lecturer, Communication, Adult Education, Leadership, and Social Science. Ph.D., Florida State University.

Soyler, Lawrence W., Lecturer, Management, M.B.A. Our Lady of the Lake University.

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