No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination, under any program or activity sponsored or conducted by The University of Texas System or any of its component institutions, on any basis prohibited by applicable law, including, but not limited to, race, color, national origin, religion, sex, age, veteran status, or disability.

The University of Texas of the Permian Basin reserves the right to withdraw courses at any time, change fees, rules, calendar, curriculum, degree programs, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever the appropriate authorities so determine and may apply to both prospective students and those already enrolled. The provisions of this catalog do not constitute a contract, expressed or implied, between any applicant, student, or faculty member and The University of Texas of the Permian Basin or The University of Texas System.

UTPB World Wide Web Home Page can be found at <http://www.utpb.edu>
# Table of Contents

The University ........................................................................................................... 5  
Role and Mission ................................................................................................. 5  
Administration ................................................................................................... 6  
University Calendar ............................................................................................. 7  
Learning Resources .............................................................................................. 8  
Center for Energy and Economic Diversification ................................................... 10  
John Ben Shepperd Public Leadership Institute ...................................................... 11

Information for New Students .............................................................................. 13  
Admissions ........................................................................................................ 13  
Freshmen Admissions ....................................................................................... 13  
Transfer Applications and Admissions ................................................................. 18  
Former Students .................................................................................................. 18  
International Students ....................................................................................... 20

Financial Aid ........................................................................................................... 22

Student Life ............................................................................................................. 26  
Activities and Organizations ........................................................................ 26  
Intercollegiate Athletics ..................................................................................... 27  
PASS Office ....................................................................................................... 29  
Regulations Governing Student Conduct ............................................................. 30

Registration ............................................................................................................ 34  
Texas Academic Skills Program (TASP) ............................................................... 34  
Family Educational Rights and Privacy Act (FERPA) ........................................... 37

Tuition, Fees and Deposits ..................................................................................... 39  
Residency for Tuition ......................................................................................... 39  
Regulations on Tuition and Fees ....................................................................... 40  
Summary Descriptions of Required Tuition and Fees ........................................ 43  
Sample of Total Tuition and Fees for a Semester ................................................ 47

Undergraduate Scholastic Requirements ............................................................... 49  
General Education Requirements .................................................................. 51  
Academic Regulations ....................................................................................... 53

College of Arts and Sciences ................................................................................ 58

School of Business ................................................................................................ 61

School of Education ............................................................................................... 67  
Teacher Certification ......................................................................................... 67  
Post Baccalaureate Certification ..................................................................... 68  
ExCET, TExES and TOPT Requirements ............................................................ 69  
Teacher Certification Plans .............................................................................. 70  
Course Listing ..................................................................................................... 74

Undergraduate Programs and Curriculum ............................................................ 79  
Accountancy ...................................................................................................... 79  
Art .................................................................................................................... 84  
Art History ...................................................................................................... 89  
Bilingual Education/ESL ................................................................................. 97
## Definitions of Academic Terminology

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA</td>
<td>Bachelor of Arts</td>
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<tr>
<td>BBA</td>
<td>Bachelor of Business Administration</td>
</tr>
<tr>
<td>BFA</td>
<td>Bachelor of Fine Arts</td>
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<tr>
<td>BS</td>
<td>Bachelor of Science</td>
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<tr>
<td>BSW</td>
<td>Bachelor of Social Work</td>
</tr>
<tr>
<td>ExCET</td>
<td>Examination for the Certification of Educators in Texas</td>
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<tr>
<td>FERPA</td>
<td>Family Educational Rights and Privacy Act</td>
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<tr>
<td>gpa</td>
<td>grade point average</td>
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<tr>
<td>PASS</td>
<td>Programs Assisting Students Study</td>
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<tr>
<td>REACH</td>
<td>Regional Electronic Academic Communications Highway</td>
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<tr>
<td>sch</td>
<td>semester credit hour(s)</td>
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<tr>
<td>TASP</td>
<td>Texas Academic Skills Program</td>
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<tr>
<td>TCCNS</td>
<td>Texas Common Core Numbering System</td>
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<tr>
<td>TExES</td>
<td>Texas Examinations of Educator Standards</td>
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<td>TOPT</td>
<td>Texas Oral Proficiency Test</td>
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<tr>
<td>UTTC</td>
<td>University of Texas TeleCampus</td>
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The University

The University of Texas of the Permian Basin, a component of The University of Texas System, is a general academic teaching institution. During the 2003-2004 academic year, U. T. Permian Basin celebrated its thirtieth year of classes. The University was authorized by the 61st Legislature in 1969 as an upper-level campus to offer bachelor's and master's degree programs. U. T. Permian Basin received authority to add freshman and sophomore classes in May 1991.

Today, U. T. Permian Basin has approximately 2,700 students in the programs in Arts & Sciences, Business, and Education. The campus has the latest in teaching technologies in its classrooms, modern research facilities, a new student housing complex which opened in 1996, Visual Arts Studios which opened in 2000 and a new Library/Lecture Center which opened in 2001. U. T. Permian Basin also offers classes throughout the Permian Basin through the Regional Electronic Academic Communications Highway (REACH) which connects the University with regional universities, area community colleges, and public schools.

U. T. Permian Basin is located in the heart of the Permian Basin, one of the richest mineral producing regions of the world. Its twin city locus places it in the commercial and financial center of the region which encompasses 370,000 people. The Permian Basin is a diverse community of many cultures and peoples. It has a dynamic growing economy anchored in oil and gas production, retail and whole trade and technology. The University and its community offer students an excellent environment for learning and personal growth.

Role and Mission

As a component of The University of Texas System, The University of Texas of the Permian Basin provides equal opportunities in higher education for all qualified students. The University serves a multicultural student body of non-traditional commuting and traditional residential students. Undergraduate programs at the University balance a curriculum in the liberal arts and sciences with preparation for professional specializations. Graduate programs provide regionally appropriate professional and academic studies.

The mission of The University of Texas of the Permian Basin is to provide all students a quality education in a supportive academic environment; to promote excellence in teaching, research, creative production and scholarship; and to serve as a resource for the intellectual, social, economic and technological advancement of the Permian Basin.

The University seeks to achieve its mission as a regional institution by offering to both traditional and nontraditional students an environment of support and collegiality in which to pursue their educational goals. Students at the University will be well prepared for careers or continuing education in business, education, the natural and social sciences, and the humanities and fine arts. They will be expected to develop skills in written and oral communication, and to gain the historical and cultural perspective necessary for critically evaluating and solving problems arising in all areas of the human experience. The University believes that educated persons are articulate and informed citizens who remain active learners throughout life and are able to assume positions of responsibility in their professions and communities.

The University of Texas of the Permian Basin is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) (1866 Southern Lane, Decatur, Georgia 30033-4097; telephone number: 404-679-4501) to award bachelor's and master's level degrees.
OFFICERS

Charles Miller, Chairman

Rita Crocker Clements, Vice-Chairman

*A. W. “Dub” Riter, Jr., Vice-Chairman

Woody L. Hunt, Vice-Chairman

Francie A. Frederick, Counsel and Secretary

MEMBERS

Terms Expire February 1, 2005

Robert A. Estrada ................................................................................................................... Austin

Woody L. Hunt .......................................................................................................................... El Paso

Charles Miller ............................................................................................................................ Houston

Terms Expire February 1, 2007

Rita Crocker Clements .............................................................................................................. Dallas

Judith L. Craven, M.D. ............................................................................................................... Houston

Cyndi Taylor Krier .................................................................................................................... San Antonio

Terms Expire February 1, 2009

H. Scott Craven, Jr. ................................................................................................................... Houston

James Richard Huffines ........................................................................................................... Austin

“Term for A. W. “Dub” Riter, Jr. will expire when a successor is named.

ADMINISTRATIVE OFFICERS

The University of Texas of the Permian Basin

W. David Watts .......................................................................................................................... President

William R. Fannin .................................................................................................................... Vice President of Academic Affairs

Christopher Forrest .................................................................................................................. Vice President of Business Affairs

Patricio T. Jaramillo ................................................................................................................ Vice President of Student Services

J. Tillapaugh ............................................................................................................................. Assistant Vice President for Graduate Studies & Research

James N. Olson ......................................................................................................................... Dean, College of Arts and Sciences

G. Peter Ienatsch ...................................................................................................................... Dean, School of Education

Geralyn McClure Franklin ....................................................................................................... Dean, School of Business
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<th><strong>Fall 2003</strong></th>
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<td>July 10 &amp; 11</td>
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Learning Resources

Information Resources Division

The Information Resources Division (IRD) provides computer, telephone, networking and videoconferencing support to the University community. Instructional facilities include the campus network, computer classrooms, multimedia classrooms, interactive video classrooms, video downlink facilities, computer laboratories and mobile multimedia equipment.

IRD also operates the University data communications network. This high-speed network interconnects buildings, offices, classrooms and laboratories to provide an integrated communication facility for the institution. The University network also connects users to the global Internet. The combination of wide-area and local-area network facilities provides high-speed Internet connections to every office, classroom and laboratory on campus.

Computer classrooms provide for hands-on instruction using modern computer equipment and software. Multimedia classrooms provide modern multimedia presentation capabilities for faculty and students. Interactive video classrooms provide for real-time, fully interactive videoconferencing capabilities between the U. T. Permian Basin main campus and a wide variety of distant locations.

Information Resource Access Policy

The following policy will govern student access to state-owned information resources at The University of Texas of the Permian Basin.

a. Only individuals showing enrollment in the current semester will be provided access to U. T. Permian Basin information resources. For the sake of this policy, enrollment in any summer term will constitute acceptable enrollment for the entire summer.

b. If a student is involved in research with a faculty member, the student MUST enroll in a research course, and pay the appropriate tuition and fees in order to have access to U. T. Permian Basin information resources.

c. Students who have received a grade of “incomplete” in a prior semester and who requires access to U. T. Permian Basin information resources as a legitimate requirement for completing the course will be required to pay the established information resource fees currently in effect prior to being provided information resource access. See page 43 for details on computer technology fee.

The J. Conrad Dunagan Library

The J. Conrad Dunagan Library is a blend of traditional resources and new technology, pursuing a vision of becoming the learning nexus for the university community by promoting information literacy, offering innovative services and fostering lifelong learning behaviors. Ongoing workshops, classes and individual instruction promote command of the information technology skills needed to compete successfully in this century.

There is a core print collection of more than 700 of the most widely used academic journals, with another 4000 journals available full-text by means of on-line electronic databases. The library holds 220,000 bound volumes, with another 600,000 titles available on microforms. By means of the public access catalog, students can track more than 10 million titles available in libraries across the nation, with many of these accessible through interlibrary loan. Cooperative agreements with other components of The University of Texas System and other regional groupings make locating and accessing materials a routine process. Library research workstations are available to facilitate access to electronic databases, commercial full-text materials and the Internet.

Other types of resources are available in Special Collections, particularly items relating to the history of the Permian Basin area and the western region of the country. These materials include materials by and about J. Frank Dobie, the papers of regional leaders John Ben Shepperd and J. Conrad Dunagan, manuscripts of important Texas writers, a Texana history collection, Spanish language materials, unique collections of regional photographs, and the University Archives. UTPB is a Regional Historical Resource Depository.

The University Mathematics Center

The University Mathematics Center (UMC) is located on the fourth floor of the Mesa Building in room 450. The Math Center is dedicated to assisting students in overcoming the difficulties they are having with mathematics at all skill levels. The UMC provides group and/or individualized instructional services in a user-friendly environment. Its main goals are enhancing mathematical knowledge and skills and improving test performance and course retention. A variety of materials are available to help with TASP preparation. Students are encouraged to schedule appointments, but walk-ins are always welcome.
The Writing Center

Assistance with all types of writing assignments is provided by the University Writing Center. The UWC provides critiques of student writing; advice on citation styles; tutorial assistance with individual writing needs; guidance on resumes, letters of application, and entrance essays for graduate school admissions. The UWC provides TASP remediation, testing for the English Entrance Exam, and a broad program of workshops.

Publications & Special Projects

To enhance teaching and learning, Publications and Special Projects provides a wide spectrum of teaching assistance including the layout and design of instructional materials such as transparencies, book covers, charts, paper presentations and illustrations. In addition to faculty support, PSP assists in special events projects through graphic design, photography and the coordination of university print requirements.

Regional Electronic Academic Communications Highway (REACH)

The Regional Electronic Academic Communications Highway, or REACH for West Texas, is a collaboration among regional universities, community colleges, area school districts and The University of Texas of the Permian Basin to provide students from grade school to graduate school the most advanced, efficient learning technologies available. The heart of the project is the REACH Program Center, located on the U. T. Permian Basin campus and governed by the partner institutions collectively. The Center is responsible for the coordination and deployment of resources in support of the entire program, including:

- Distance learning systems, utilizing two-way interactive video technology to enable the sharing of courses, as well as expert faculty and staff, among partner institutions.
- Development of courses and programs to be delivered over the World Wide Web.
- Exchange of courses and programs with other U. T. System component institutions through UT TeleCampus®.
- Multimedia learning resource centers, including audio, video and data resources together with equipment appropriate for their delivery.
- Access to electronic library resources including full-text retrieval services, electronic abstract and indexing services and many national and international university card catalogs.

*Many online courses listed in this catalog are offered from the University of Texas of the Permian Basin via the UT TeleCampus. The UT TeleCampus is the centralized support center for online education throughout The University of Texas System. In the website you will find: online classrooms, a digital library, free online tutorial services, 24/7 technical support, links to various admissions and registrar offices throughout the U.T. System and full program descriptions for the online courses and degrees the UT TeleCampus facilitates. Designated contacts at each campus are available to assist you as the student services support staff of the UT TeleCampus. With questions please call toll-free: 1-888-TEXAS-16 (1-888-839-2716). To see a full listing of courses and host universities for the UTTC programs, please access the UT TeleCampus website at http://www.telecampus.utsystem.edu.

UTPB 2003–2005 Undergraduate Catalog
University Centers and Institutes

Center for Energy and Economic Diversification

The Center for Energy and Economic Diversification (CEED) encompasses The University of Texas of the Permian Basin research and extension programs targeted to strengthening the economic development of the region. CEED is housed in a special use facility which carries its name. It has become the focal point for economic development in West Texas. Programs housed in the CEED include the Economic Development Administration University Center, the Small Business Development Center and the Petroleum Industry Alliance.

Economic Development Administration University Center

Section 301(a) of the Public Works and Economic Development Act of 1965 states:

"The University Center program provides funding assistance to selected colleges and universities to mobilize the institutional resources in addressing economic development of distressed areas. Features of the program are as follows:

- Funded on a three-year basis
- Matching fund requirement from the host institution
- Have a designated primary service area
- Serves as "windows" to the educational resources of the host institution for communities and businesses.

Capabilities of EDA funded university centers include the following:

- Feasibility studies
- Market analysis
- Economic development strategies
- Specific problem research on subjects involving engineering environmental issues, etc.
- Surveys and Special Studies
- Any special study or report which will assist in improving the economy and increasing employment

The EDA University Center at The University of Texas of the Permian Basin Center for Energy and Economic Diversification meets all of the above criteria.

The Economic Development Administration awarded UTPB its first University Center Grant in 1988. To the end of the current fiscal year (02), EDA has awarded UTPB almost $1.4 million for the EDA University Center. Over this period, UTPB’s matching fund requirement has amounted to $818,000. Thus, a total of almost $2.3 million dollars has been available to help the service area meet the economic challenges of the 1990s.

University Counseling and Psychological Services Center

The University Counseling and Psychological Services Center is located on the South Campus. Services are available at no charge to U. T. Permian Basin students. Psychological counseling and life skills services are available. Office hours are Monday through Thursday from noon until 5:00 p.m. Morning and evening times are available by appointment.

The Center also provides supervised experiences for graduate students in psychology who wish to pursue the license in counseling.

Petroleum Industry Alliance

The Petroleum Industry Alliance (PIA) was formed in October 1992. The PIA has established its goals to be:

- An effective catalyst for bringing new oil projects into the Permian Basin;
- A respected research organization in its own right; and
- An agent for education and training related to the oil industry.

One of the most natural of roles that the PIA can play in the Permian Basin is that of an agent or facilitator in technology transfer to the oil and gas industry, especially to the independent sector of the industry. PIA is actively involved in these activities through its educational seminars, short courses and forums. It is also serving the technological needs of the industry through contacts with the Department of Energy, the National Labs and the Independent Petroleum Association of America’s Petroleum Technology Transfer Council (PTTC).
The Petroleum Industry Alliance is the one organization of The University of Texas of the Permian Basin directly serving the oil and gas industry.

**Small Business Development Center**

The Small Business Development Center (SBDC) program was initiated at U. T. Permian Basin in 1986 and moved to the CEED facility in 1990. The goals of the SBDC program are to:

- Provide free, in-depth, quality assistance to small businesses in promoting growth, expansion, innovation, increased productivity and management support;
- Act as an advocate for small business, actively supporting and promoting small business interests;
- Help economic growth of the communities served and create a broad-based delivery system;
- Serve as a liaison, linking resources of federal, state and local governments with those of colleges, universities and the private sector to meet the specialized and complex needs of the small business community; and
- Develop and expand unique resources of the educational system, the private sector and state and local governments to provide services to the small business community not available elsewhere.

The core objective for the SBDC program is focused on client counseling and training. This activity focuses on start-up, expansion and problem solving for small businesses in a sixteen county area. The SBDC program can maximize the usefulness of all available resources. One precept of the program is that all funding participants in the program will have their program development contributions highly leveraged. Each SBDC must identify and utilize non-federal resources at all levels.

**John Ben Shepperd Public Leadership Institute**

The John Ben Shepperd Leadership Forum began in 1984 with private funding and brought leadership training to young people of Texas through an Annual Forum as well as through high school forums throughout the state. To expand on the Forums' vision, the John Ben Shepperd Public Leadership Institute became part of U. T. Permian Basin in the Fall of 1995 with funding from the 74th Session of the Texas Legislature.

Mission:

The Mission of the John Ben Shepperd Public Leadership Institute is to provide young Texans an education for and about leadership, ethics and public service.

Programs:

- **Academic Studies**
  The Institute supports the BA undergraduate studies program in the field of Leadership Studies in the College of Arts and Sciences. A feature of the program is the opportunity for students to practice leadership skills through internships with established leaders in the community. In addition, the Institute sponsors scholarly research, publications and seminars on issues regarding leadership.

- **Distinguished Lecture Series**
  Each year on campus there is a series of distinguished lecturers invited to conduct intensive discussions on selected topics of leadership. This is a unique opportunity for the participants to exchange thoughts and ideas with some of the great leaders of the country. The program is open to the public and is available through video and interactive communication.

- **Specialized Seminars**
  The Institute holds a series of seminars concerning various aspects of leadership that can be utilized by business, community and school leaders. The seminars can also be specialized to fit the needs of a specific organization or group.

- **Student Forums**
  Throughout Texas, local organizations such as Jaycee Chapters, Chambers of Commerce, colleges and universities, and Electric Cooperatives such as LCRA and ONCOR sponsor student forums. The participants learn the basics of leadership, communication skills, and goal setting, exchange ideas with local leaders and develop a project to focus on local issues to continue their training and education.

- **Summer Teacher Institute**
  Each summer, the Institute sponsors a month long education program for current teachers. The accepted participants can earn six hours of graduate credit. Also, participants are eligible for a scholarship.
• Annual Forum

The Annual Forum is designed to bring together the experience and wisdom of today's established leaders with the energy and idealism of young emerging leaders to develop skills and ideas necessary to meet the challenges of future generations of Texans. In addition to those who have completed the nomination process, selected members of student forums are invited to attend. During this unique weekend conference, participants develop visions of leadership to encourage them to think specifically of application to issues in their communities.

• Student Leadership Camp

Each summer, the Institute hosts on campus an intensive weeklong leadership camp for up to thirty high school students. The goal of the camp is to return students to their respective communities prepared to assume leadership roles at their schools and become involved in public service.

• Awards and Recognition

The Institute annually recognizes outstanding Texans with the Outstanding Texas Leader and Outstanding Local Leader awards. Nominations come from the general public, business, academic and political entities. In addition, recognition is given to outstanding students who have met the award criteria.
Information for New Students

Admissions

Application Procedures

Persons seeking admission should obtain an admission packet from:

Office of Admissions
U. T. Permian Basin
4901 E. University
Room # MB 160
Odessa, TX 79762-0001
(432)552-2605

To provide better assistance, it is helpful to know if the person is a new or former student, a transfer student, a graduate or undergraduate and whether the person is an international student.

Potential students should plan to complete all admission requirements two months in advance of their enrollment.

FRESHMAN STUDENTS

Freshman Students

For application purposes, a freshman student is defined as “a student enrolling at a college or university for the first time and/or a transfer student who has successfully completed 1-23 semester hours of academic credit at a regionally accredited institution.”

Freshman Applications

In addition to completing the application for admission, the student must present an official high school transcript from an accredited school, transcripts of all college courses attempted (if any) and college entrance examination scores from either the Scholastic Aptitude Test (SAT) or the American College Testing Program (ACT). Although the final transcripts showing date of graduation cannot be sent until after high school graduation, a tentative admissions decision, as well as scholarship consideration, can be made on the basis of an official high school transcript listing the courses taken up to the time of application, the grades and the approximate class rank. Applicants are considered freshmen if they have accumulated fewer than 24 semester credit hours of college credit. The Office of Admissions recommends that potential freshmen complete the application process in the spring of their senior year in high school or by the following recommended dates:

Fall Semester
July 15

Spring Semester
November 15

Summer Semester
April 15

Graduates of Non-Accredited High Schools and/or Home Schools, GED certificate holders. Students who have attended unaccredited high schools or who have received GED certificates will be considered for admission according to the criteria listed in those sections. Graduates of home schools must also show evidence of having obtained a GED certificate.

Freshmen Entrance Requirements

All students graduating from an accredited Texas high school who are ranked in the top 10% of their high school graduation class will be admitted unconditionally to The University of Texas of the Permian Basin. Students applying to U. T. Permian Basin from an accredited high school outside of Texas or who graduated from an accredited Texas school with class rank not in the top 10% must meet the high school unit requirements and class rank and SAT or ACT score requirements as noted.
HIGH SCHOOL UNITS -

ENGLISH - 4 UNITS
Required: Four units of English, one of which may be writing, world literature, or journalism.
Strongly recommended: The fourth unit of English should include the development of writing skills.

MATH - 3 UNITS
Required: Algebra I & II, Geometry or Trigonometry
Strongly recommended: Students planning to enter scientific, engineering or business fields are advised to take at least four units at the level of Algebra I and higher.

SCIENCE - 2 UNITS
Strongly recommended: Students planning to enter scientific or engineering fields are advised to take at least three units, including chemistry and physics.

SOCIAL STUDIES - 3 UNITS
One additional unit from fields such as: Anthropology, area or ethnic studies, geography, philosophy, psychology, sociology or world history.

FOREIGN LANGUAGE - 2 UNITS or additional science or mathematics.

ELECTIVES - 6 UNITS
Any units beyond the required minimum may be counted as electives with the exception of drill subjects (e.g., driver training, military training).
Strongly recommended: One half unit of fine arts (theater arts, art, music, or dance).

Recommended High School Program

Students completing the Recommended or Distinguished High School program meet the high school unit requirement unconditionally.

While the high school units listed above are the minimum needed for “unconditional” admission to U. T. Permian Basin. U. T. Permian Basin highly recommends that high school students take the Texas Education Agency’s “Recommended High School Curriculum” listed below.

English, Language Arts (Not including Journalism) and Reading - 4 credits
Mathematics - 3 credits
Science - 3 credits
Social Studies - 4 credits
Economics - 1/2 credit
Physical Education - 1 1/2 credits
Health Education - 1/2 credit
Fine Arts - 1 credit
Languages other than English - 2 to 3 credits
Communication Applications - 1/2 credit
Technology Application - 1 credit
Electives - 4 1/2 to 5 1/2 credits

Graduation Class Rank College Entrance Exam
SAT ACT
Top 10% No minimum score.
11-25 No minimum score, but scores must be submitted.

2nd quarter 830 18
3rd quarter 920 19
4th quarter 1100 24

Freshman applicants graduating from non-accredited high schools must have scored 1100 or more on the SAT or 24 or more on the ACT and show evidence of meeting the high school unit requirements.

Freshman applicants graduating from home schools must have scored 1100 or more on the SAT or 24 or more on the ACT; be 18 years of age or older; and show evidence of meeting the high school unit requirements by taking the GED exam and having an average GED score of 50 or above with no individual score lower than 45.
**Freshman applicants with GED certificates** must have scored 1100 or more on the SAT or 24 or more on the ACT; be 18 years of age or older; and show evidence of meeting high school unit requirements by having an average GED score of 50 or above with no individual score lower than 45.

Applicants who do not graduate in the top 10% of their high school class and do not meet the criteria for the recommended high school units requirement and class rank and SAT and ACT score requirements may be considered for admission. Admission may be unconditional or conditional. These applicants must submit the application, transcripts and SAT or ACT scores. The applicant must also:

- Submit three letters of recommendation from individuals who can comment on the applicant's potential for success in college.
- Complete an interview with a representative of the Admissions Office prior to consideration for admission. In this interview the applicant will be asked to present evidence of academic ability.

In reviewing a student for admission the Office of Admissions will consider: The applicant's evidence of academic ability; whether the applicant is the first generation in his or her family to attend or graduate from college; whether the applicant is bilingual; the applicant's responsibilities while attending school; the applicant's involvement in community activities; the applicant's extracurricular activities; the applicant's professional or work experience since leaving high school; and the socioeconomic background of this family.

Students with academic deficiencies may be admitted conditionally. To be removed from conditional status, a student must:

- Complete twelve or more credits with grades of "C" or better in each course; and
- Complete other enrollment requirements consistent with his or her deficiencies at the time of application.

Failure to meet these requirements may result in an academic probation or dismissal.

**Provisional Admissions Program**

Any Texas resident may enter The University of Texas of the Permian Basin regardless of his or her high school record or score on the Scholastic Aptitude Test (SAT) or American College Test (ACT) provided that he or she has graduated from an accredited high school with the required units and subjects as prescribed above. Provisional admission students may enroll either in the summer session (both summer terms) or the fall semester following the student's graduation from high school provided the student has not previously enrolled in credit courses in any other institution of higher education following high school graduation.

Provisionally admitted students must complete 12 semester credit hours of courses meeting the University's general education requirements selected from English, mathematics, natural sciences, social sciences during their first semester of enrollment.

The student who demonstrates ability to perform college level work by achieving a GPA of 2.0 or above during the entire summer session (both summer terms) or during the fall semester may be admitted as a regular student in subsequent semesters.

Provisional admission students who achieve a GPA of at least a 1.5 in their first semester or summer session (both summer terms) may be allowed to continue for the next semester or summer session. At the conclusion of the second period of enrollment, the student must have achieved a cumulative GPA of 2.0 or above to continue in the institution.

Applicants who graduated from high school more than five years ago and are residents of Texas and who do not meet freshman entrance requirements, in addition to completing the application requirements:

- must submit letters of recommendation from individuals who can testify regarding their academic potential.
- must complete an interview with a representative of the Admissions Office prior to consideration for Admission.
- must complete twelve or more hours with grades of "C" or better in each course to be removed from provisional status.
- must complete other enrollment requirements consistent with their deficiencies at the time of application.

**EARLY ADMISSION PROGRAM (EAP)**

Students seeking admission to The University of Texas of the Permian Basin prior to high school graduation must:

- have completed their junior year of high school
- be ranked in the top 25% of their class
• have a “B” average
• present a minimum score of 900 on the SAT or 19 on the ACT
• have the recommendation of their high school principal or counselor
• have the approval of their parent or guardian acknowledging an understanding of the program and granting approval for participation

In addition to the requirements that must be met to be eligible to participate in the Early Admission Program, the students:
• must submit the Texas Common Application in addition to an EAP application,
• must meet TASP requirements,
• will pay the regular tuition rates and will be permitted to enroll in college courses conducted during and after hours, and during summer terms,
• will be allowed to enroll in up to six credit hours of any freshman/sophomore level courses that are being offered; and,
• the course credits will not be transcripted until the student has graduated from high school.

Credit by Examination

The University recognizes academic achievement of students gained by means other than through performance in organized classes. Students will be given the opportunity to receive credit by special examination in certain courses where proficiency may be practically determined by examination.

Course credit earned by examination is recorded by the Registrar on the student’s transcript, but no grade or grade points are awarded. The student is responsible for having test scores sent to the Admissions Office.

The School of Business offers credit by examination in specific business courses. Refer to the School of Business section on page 65 of this catalog.

There are two separate programs by which a student may earn course credit by examination. These are: 1) CEEB Advanced Placement Examinations which are a part of the Advanced Placement Programs available in a limited number of secondary schools; and, 2) specified subject examinations of the CEEB College Level Examination Program (CLEP). The student is responsible for taking the tests early enough to allow sufficient time for scores to be reported to the University and processed by the Admissions Office. The deadline for registering to take CLEP examinations at a national testing center is four to six weeks before the scheduled test. Information concerning each of the testing programs follows.

1. Credit for CEEB Advanced Placement Program Examinations (APP). The Advanced Placement Examination is the final examination for a nationally standardized course offered in a limited number of secondary schools under the auspices of the CEEB Advanced Placement Program. The objective of the APP is to allow students to begin work toward college credit while still in high school. Students should check with their high school counselor or principal as to the availability of the APP examinations in their school. The APP is offered once a year during May at participating high schools.

<table>
<thead>
<tr>
<th>Discipline [UTPB Courses in brackets]</th>
<th>CEEB AP</th>
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</thead>
<tbody>
<tr>
<td>ART Hist (6 hrs.) [ARTS 2340, 2341]</td>
<td>4</td>
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<tr>
<td>ART - Drawing [ARTS 1316]</td>
<td>5</td>
</tr>
<tr>
<td>BIOL (4 hrs.) [BIOL 1306/1106]</td>
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</tr>
<tr>
<td>BIOL (8 hrs.) [BIOL 1306/1106, 1307/1107]</td>
<td>3</td>
</tr>
<tr>
<td>CHEM (4 hrs.) [CHEM 1331/1133]</td>
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</tr>
<tr>
<td>CHEM (8 hrs.) [CHEM 1331/1133, 1332/1134]</td>
<td>4</td>
</tr>
<tr>
<td>COSC A (4 hrs.) [COSC 1430]</td>
<td>3</td>
</tr>
<tr>
<td>COSC AB (4 hrs.) [COSC 1430]</td>
<td>3</td>
</tr>
<tr>
<td>ECON (6 hrs.) [ECON 2301/2302]</td>
<td>4</td>
</tr>
<tr>
<td>ENG COMP (3 hrs.) [ENGL 1301]</td>
<td>3</td>
</tr>
<tr>
<td>ENG COMP (6 hrs.) [ENGL 1301, 1302]</td>
<td>4</td>
</tr>
<tr>
<td>HIST AMER I (3 hrs.) [HIST 1301]</td>
<td>3</td>
</tr>
<tr>
<td>HIST AMER II (3 hrs.) [HIST 1302]</td>
<td>3</td>
</tr>
<tr>
<td>HIST AMER I &amp; II (6 hrs.) [HIST 1301, 1302]</td>
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16 UTPB 2003–2005 Undergraduate Catalog
<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH CAL AB (4 hrs.)</td>
<td>3</td>
</tr>
<tr>
<td>MATH CAL BC (8 hrs.)</td>
<td>3</td>
</tr>
<tr>
<td>PHYS C ELEC &amp; MAG (4 hrs.)</td>
<td>3</td>
</tr>
<tr>
<td>PHYS C MECH (4 hrs.)</td>
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</tr>
<tr>
<td>PLSC U.S. GOVT (3 hrs. max)</td>
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</tr>
<tr>
<td>PSYC INTRO (3 hrs.)</td>
<td>3</td>
</tr>
<tr>
<td>SPAN (4 hrs.)</td>
<td>2</td>
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<tr>
<td>SPAN (8 hrs.)</td>
<td>3</td>
</tr>
<tr>
<td>SPAN (11 hrs.)</td>
<td>4</td>
</tr>
<tr>
<td>SPAN (14 hrs.)</td>
<td>5</td>
</tr>
</tbody>
</table>

2. **Credit for CEEB College Level Examination Program (CLEP) Examinations.**

Under the College Level Examination Program, the University will award credit for only the specified examinations. A student may attempt a CLEP examination at a national CLEP testing center before enrolling and have the scores reported to the University. These examinations are offered monthly at national CLEP test centers. Further information concerning the CLEP tests may be obtained from your high school counselor or principal, or from College Level Examination Program, Box 1821, Princeton, New Jersey 08540.

- Principles of Accounting (ACCT 2301 & 2302) 50
- General Biology (BIOL 1306/1106) 50
- General Chemistry (CHEM 1331/1133) 50
- Principles of Macroeconomics (ECON 2301) 50
- Principles of Microeconomics (ECON 2302) 50
- Freshman College Composition (ENGL 1301) 50
- Freshman College Composition (ENGL 1301 & 1302) 58
- American Literature (ENGL 2327) 50
- U. S. History I (HIST 1301) 50
- U. S. History II (HIST 1302) 50
- Western Civilization I (HIST 2311) 50
- Western Civilization II (HIST 2312) 50
- College Math (MATH 1332) 50
- Calculus (MATH 2413) 50
- Principles of Management (MNGT 3310) 55
- Introduction to Business Law (MNGT 3324) 55
- Principles of Marketing (MKGT 3300) 55
- American Government (PLSC 2301) 50
- Introductory Psychology (PSYC 1301) 50
- Introductory Sociology (SOCI 1301) 50
- Spanish Language (SPAN 1411 & 1412) 50
- Spanish Language (SPAN 1411, 1412, 2311) 52
- Spanish Language (SPAN 1411, 1412, 2311, 2312) 54

\(^1\)Students who earn credit by examination for PLSC 2301 or 2302 are required by Texas law to earn credit for PLSC 2302 or 2301, respectively, through classroom instruction.
TRANSFER STUDENTS

Transfer Students

For application purposes, a transfer student is defined as "a student who has successfully completed 24 or more semester hours of credit at a regionally accredited institution prior to transferring to U. T. Permian Basin."

Transfer Applications and Admissions

College Transfers. Transfer students seeking admission, who have accumulated fewer than 24 semester credit hours, will be considered for admission under the criteria established for freshman admission (See Freshmen Entrance Requirements).

Transfer students seeking admission, who have accumulated 24 semester credit hours or more from regionally accredited colleges or universities, must meet the following entrance requirements:

- Submit to the Office of Admissions, official transcripts from all colleges and universities previously attended. All documents submitted become the property of the University and will not be returned to the student.
- Must have a 2.0 grade point average or better on a 4.0 grading system in previous college work.
- Must not be on academic or disciplinary suspension from any previously attended college or university (be eligible to re-enroll in the college(s) or university(ies) previously attended).

A transfer applicant from a non-accredited institution may be considered for conditional admission by the Admissions Review Committee. A transfer student admitted conditionally must achieve a grade point average of 2.0 or above for the first 30 hours of course work undertaken at U. T. Permian Basin and is subject to academic dismissal at any time the grade point average falls below 2.0.

Former Students. Students who have previously attended U. T. Permian Basin but have not been enrolled in the immediate past two semesters, must reapply. Those students who have enrolled in another college or university since attending U. T. Permian Basin must submit official transcripts of all work completed.

Students who have not attended U. T. Permian Basin for five years or more, in addition to reapplying, must submit transcripts from EVERY institution previously attended, except U. T. Permian Basin.

Change of educational objective. Students who have graduated or are scheduled to graduate from U. T. Permian Basin and wish to continue enrollment to pursue another educational objective must reapply indicating their new intention. (Example: second bachelor’s degree, a Master’s Degree, Teacher Certification)

Transient Students. Transient students seeking admission for one semester or summer session provided they are in good standing at the college(s) or university(ies) previously attended are welcome at U. T. Permian Basin. Only a current transcript from the last institution will be required prior to enrolling at U. T. Permian Basin. A student will not be admissible if (s)he is ineligible to return immediately to his/her former institution.

A student granted admission as a transient or as a non-degree student and who decides to pursue a degree at U. T. Permian Basin is welcome. The applicant must update his/her application and provide official transcripts from all colleges and universities previously attended and not previously presented to U. T. Permian Basin.

ACADEMIC FRESH START. Texas residents may apply for admission to U. T. Permian Basin under the Academic Fresh Start statute (Texas Education Code, Sec.51.931). Under this program, residents are permitted to apply for admission and enroll as undergraduate students; and, academic course credits or grades earned 10 or more years prior to the semester for which the students seek enrollment are not considered for admission purposes. Applicants seeking admission under the Academic Fresh Start statute must, at the time of application, inform the Office of Admissions in writing of their intent.

Other standard admissions criteria generally applied to persons seeking admission to the University is not affected by this plan.

If a student who enrolls under this program completes a prescribed course of study, earns a baccalaureate degree, and applies for admission to a postgraduate or professional program offered by a public institution of higher education, the admitting institution will consider only the grade-point average of the applicant established by the course work completed after the student enrolled under this plan (along with other criteria the institution normally uses to evaluate applicants for admission).

ACADEMIC/DISCIPLINARY SUSPENSION. A student who is not eligible to return immediately to his/her former institution is not eligible to enroll at U. T. Permian Basin. Normally a student who is dismissed for disciplinary or academic reasons from U. T. Permian Basin or from another institution will not be admitted.
Transfer of Credit

Undergraduate Transfer of Credit. There is no limit to the number of credit hours that may be transferred provided they meet the rules governing transfer of credit listed below. However, students must complete a total of 54 hours of upper level credit and at least 30 of those credit hours must be taken at The University of Texas of the Permian Basin, with the last 24 hours taken in residence, in order to be eligible to receive a degree. In addition, at least 25% of the credits used to meet a degree requirement must be from U. T. Permian Basin. Course work shown on transcripts from other academic institutions is subject to two separate evaluations:

1. For Admission. Course work is evaluated to determine the transferable credit for admission. This evaluation is performed by an admissions officer during the admission process.
2. Applicability toward degree requirements. Course work is evaluated to determine whether the student’s freshman/sophomore courses provide the necessary preparation for upper level courses at U. T. Permian Basin and to determine the applicability of previous upper level course work toward degree requirements at U. T. Permian Basin. This evaluation is performed by an academic advisor in the student’s chosen field of study.

Rules Governing Transfer of Credit

1. The college or university from which the credit is to be transferred must be accredited by a regional accrediting agency.
2. Courses transfer to U. T. Permian Basin on the same level and with the corresponding number of credit hours earned at another institution. D grades may be included in the total number of credit hours to be accepted for transfer to U. T. Permian Basin. However, D grades will not be accepted to fulfill the requirements of a major, minor or any General Education requirement.
3. When a course has been repeated for credit, the most recent grade and credit hours will be used to determine the acceptance of the course and also to determine if the student meets the minimum grade point average entrance requirement.
4. The following are not accepted by the University toward admission or degree requirements:
   a. Orientation, remedial English, remedial reading courses, remedial mathematics courses, remedial writing (composition).
   b. General Education Development tests on high school or college level.
5. Sectarian courses in religion are counted for admission purposes but do not apply toward degree requirements. However, courses in the philosophy of religion, the Bible as a literary work or surveys of the Old and New Testament may be applicable as free electives.
6. Vocational and technology courses are not accepted as transfer credit by the Admissions Officer. Under special circumstances some of these courses may be accepted on an individual course basis by the faculty advisor with the approval of the Dean of the School or College.
7. Except for Kinesiology majors, up to 4 credit hours will be accepted in physical activity courses toward admission requirements and total credits toward a degree. Up to 4 upper level credits in ROTC can be accepted in lieu of physical education.
8. If The University of Texas of the Permian Basin does not accept lower division course credit earned by a student at another institution of higher education, U. T. Permian Basin shall give written notice to the student and the other institution that the transfer of the course credit is denied. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Texas Higher Education Coordinating Board rules and/or guidelines. If the transfer dispute is not resolved to the satisfaction of the student or the institution at which the credit was earned within 45 days after the date the student received written notice of the denial, U. T. Permian Basin shall notify the Commissioner of the Texas Higher Education Coordinating Board of its denial and the reason for the denial. The commissioner of higher education or the commissioner’s designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.
9. Correspondence or extension credit if appropriate to the curriculum and entered onto a transcript of a regionally and state accredited college or university, subject to the following limitations:
   a. The maximum transferable credit is 15 semester hours of correspondence credit, 30 semester hours of extension credit or 30 semester hours of correspondence and extension credit combined.
   b. A maximum of six semester hours in the major may be correspondence credit.
   c. The School of Business does not accept transfer of any upper level business courses taken by correspondence.
   d. Transfer credit is presented to the Office of Admissions at the time the student is applying to the University.
   e. Appropriateness to the degree is evaluated by the faculty advisor for degree purposes when the degree plan is developed.

Prospective students often have questions about transfer of courses. Students are invited and encouraged to seek advice about courses and degree programs from the admissions advisors and, if necessary, the student will be referred for consultation with faculty members in the student’s prospective discipline.
INTERNATIONAL STUDENTS

International Students

For purposes of admission, an international student is defined as "a student who is, or will be, in the United States on a nonimmigrant student visa." This specifically refers to the Student (F) and Exchange Visitor (J) Visas. International student admission requirements apply but are not limited to international students on F or J visas.

To comply with federal laws and immigration requirements international students must be degree-seeking students in order to enroll at U. T. Permian Basin.

Foreign-born students who are naturalized U.S. citizens or who have immigrant status in the United States should note the following:

1. Please allow ample time for receipt, verification and evaluation of any foreign credentials. Regulations for foreign credentials are the same as listed under international student requirements.
2. TOEFL scores or other evidence of communication skills sufficient for classroom work may be requested if the student’s first language is not English or if academic preparation was not in English.
3. Financial arrangements required of international students do not apply to resident or naturalized U.S. citizens.

Applicants should apply for admission at least six months before the anticipated enrollment date and should arrange to have test scores and academic records in the Office of Admission no later than 60 days before the enrollment date. Verification of credentials may also be required.

U. T. Permian Basin will issue immigration papers (I-20 or DS2019) for student visas after all admission credentials have been received and approved. For more information contact the International Student Adviser at (432) 552-2605. There is no application fee (subject to change). All international students are considered nonresident students for tuition and other purposes.

In addition to the general admission requirements previously listed, the following regulations apply to all international students:

1. Yearly secondary school records and national examination results must be submitted.
2. Certified transcripts of student’s academic record (mark sheets) from universities previously attended in the home country must be submitted. Both a copy of the official foreign academic record and an official English translation must be included. Moreover, where university level studies are to be considered for possible undergraduate transfer credit, a syllabus, catalog or similar bulletin must be submitted which describes the courses in sufficient detail for proper evaluation.
3. Signed statements guaranteeing the student’s ability to pay expenses while at U. T. Permian Basin must be accompanied by documentation supporting the statement in the form of a current letter from a bank or other reliable institution or from the sponsor’s employer. (Photostatic copies of support statements furnished to meet another university’s requirements are not acceptable.) The University has no financial aid available for international students.
4. In addition to the sponsor’s letter guaranteeing support, a $10,000 deposit, which demonstrates ability to pay for tuition, fees, and mandatory insurance for one academic year, is required for students from certain countries and must be placed on deposit at the University. Contact the Admissions Office for specific information.
5. Test of English as a Foreign Language (TOEFL) scores must be submitted before admission will be granted. Minimum score for admission consideration is 550 (paper-based) or 213 (computer-based). Information concerning the TOEFL may be obtained by writing to: TOEFL, Box 899, Princeton, NJ 08540 (The University of Texas of the Permian Basin institution number: 6914.)
6. It is compulsory for international students on F-1 visas to have medical hospitalization and repatriation insurance for themselves. Insurance for dependents is optional. Students on J-1 visas are required to carry medical, hospitalization and repatriation insurance for themselves and their dependents.
7. Students on F-1 visas do not normally have employment privileges. Government regulations require international students to certify that they have finances deemed sufficient by the University while pursuing their degree without employment. Thus, international students should not expect to support themselves through employment while attending the University. International students may request permission to seek employment while attending the University after they have completed one academic year of study. See the International Student Advisor.
8. Holders of F-1 student visas and J-1 sponsored Student Visas must enroll for a full load of study.
   a. Undergraduate students - Twelve (12) semester hours is the minimum load. If the student does not plan to enroll during the summer sessions, full-time enrollment should be 15 semester hours.
   b. Graduate students - Nine (9) semester hours is the minimum load.
9. Students wishing admission to graduate programs must comply with all of the above requirements in addition to the graduate studies requirements listed in the Graduate Catalog.
10. Students transferring from a U.S. college or university must have the former international student advisor (or equivalent) complete Form FS2-73. This form is available at the UTPB Admissions Office.

TRANSFER ADMISSIONS - FOR INTERNATIONAL STUDENTS. Transfer admissions from universities within the United States will be processed only for those students that have completed one full year (24 semester hours) or more of studies. The Bureau of Citizenship and Immigration Services (BCIS) must be notified when an international student transfers from one U.S. institution to another. With recent changes in BCIS regulations, a transferring international student must process the transfer with the institution to which the student is transferring, not with the previous institution. However, if a student is out of status with BCIS, that student should reinstate him/herself with BCIS prior to enrolling at U. T. Permian Basin. Questions regarding a student's immediate immigration status must be directed to the international student adviser.

It is the student's responsibility to obtain the correct visa and to maintain the appropriate immigration status while in the United States. International students should refer to, carefully read, and make sure the conditions of the visa, noted on the back of Form I-20 or DS2019, are understood before signing the form.
Financial Aid

The Application Process

The University of Texas of the Permian Basin encourages students who wish to attend college and who do not have the financial resources available to pay the cost of higher education to seek assistance through The University of Texas of the Permian Basin, Office of Student Financial Aid. The Office of Student Financial Aid operates to assist students seeking a degree or certification from U. T. Permian Basin in obtaining the necessary resources from federal, state, and private sources.

To obtain financial assistance, the University requires all financial aid applicants, both graduate and undergraduate, to complete the current year application packet. This packet consists of two basic forms: the Application for Financial Aid and the Free Application for Federal Student Aid (FAFSA). The U. T. Permian Basin application is required for all aid programs administered through the University regardless of eligibility criteria. The FAFSA is required for all need-based aid programs, including Federal Title IV grants and loans, Federal Work-Study, and state grants, loans and work-study. Some local scholarship funds also rely on data provided through the FAFSA. The Office of Financial Aid strongly encourages all students to complete both the Federal and the U. T. Permian Basin application forms to be considered for all possible aid.

Because availability of funds in most programs is limited, applications should be completed as early as possible each year beginning in January. Applications completed prior to May 1 will be given priority consideration for available aid. After May 1, applications will be considered for remaining available aid on a first-come, first-served basis. Applications are not considered complete until all required forms are properly filled out and are in the Office of Student Financial Aid. In some cases, students may be required to submit supporting documentation to verify aid eligibility. When students are selected for verification, their applications will not be considered complete until the required supporting documentation is in the Office of Student Financial Aid and all data is correct.

"Students subject to selective service registration will be required to file a statement that the student has registered or is exempt from selective service registration in order to be eligible to apply for federal financial aid. In addition, effective January 1, 1998, the selective service requirement is also applicable to students applying for financial assistance funded by State revenue."

Please Note: Application for financial assistance is not an application for admission. Also, awarding of financial aid does not guarantee acceptance to the University.

The Awarding Process

The Office of Student Financial Aid notifies students of what aid is being made available and how it will be disbursed by means of an award letter.

The award letter will list one or more programs of assistance in which funds are available to the student. Availability does not guarantee actual release of money. Disbursement of funds depends on grade level and credit hours enrolled. The student must complete any additional program applications (i.e., a student loan application), and meet enrollment and academic progress requirements before any checks can be released.

The award(s) listed on the award letter are referred to as an award “package.” The number of awards in the package and the amount of each award are determined by the availability of funds at the time the student completes the application for aid and, for need-based aid, the results of the federal need analysis of the FAFSA application. Any student receiving non-need-based aid should notify the Office of Student Financial Aid as soon as possible so that the award can be included in the student’s package. Failure to notify the office of all sources of assistance could result in an over award and require the repayment of money already received. Repayment demands can create a severe financial hardship so it is advisable that the student report accurately all sources of assistance.

The University participates in a number of assistance programs to provide an optimum availability of help for students. These programs can be divided into four basic types of financial aid: grants, scholarships, loans, and employment. Grants and scholarships are gift awards that do not have to be repaid. Loans are monies that have to be repaid with interest, usually after completion of the program. Employment is part-time work, usually on campus, that is scheduled around the student’s class schedule. Earnings from employment do not have to be repaid.

Listed below are brief descriptions of some of the programs in which the University participates. Funding of the different programs varies from year to year as do eligibility criteria and even the name of programs. Federal and state programs are subject to frequent regulatory changes which supersede the information in this catalog. For further information about these programs and other available assistance, contact the Office of Student Financial Aid.
Scholarships are gift aid that does not have to be repaid. The basic criterion for scholarship eligibility is academic success, although some scholarships also consider financial need or other qualities. Scholarships are often provided through the generosity of persons who have chosen to aid students through the establishment of an endowed scholarship or annual scholarship and eligibility for scholarship awards may be based on criteria outlined by the donor at the time the gift was made.

The University of Texas of the Permian Basin encourages students to apply for scholarship assistance through all sources available to achieve the best results. Assistance from U. T. Permian Basin may be in the form of an institutional award such as the Presidential Plus, Presidential, Freshman Merit, Freshman Grant and UT Merit or through scholarship funds that have been endowed with the University by individuals desiring to help worthy students. Awards for freshman students are made based on high school class rank and additional nominations demonstrating academic excellence, civic pride and leadership qualities during their school years. Transfer student eligibility is determined based on academic performance at the previous college or university attended. Continuing students are eligible to apply for scholarships based on academic excellence achieved while attending the University. Most scholarships have a deadline for application with preference being given to those who apply promptly, meet the specified criteria and will be attending the University as a full-time student.

In addition to specific qualifications required for various competitive scholarships and fellowships awarded by the University, the committee or officer responsible for selection of a given scholarship or grant may consider: whether the applicant is the first generation in his or her family to attend or graduate from college; the applicant's responsibilities while attending school; the applicant's involvement in community activities; the applicant's extracurricular activities; and the applicant's professional or work experience since leaving high school.

Grants are publicly funded programs that provide gift aid which does not have to be repaid. Grants are usually awarded on the basis of information received by U. T. Permian Basin when the student completes the Free Application for Federal Student Aid (FAFSA).

The Federal Pell Grant Program is the largest of the gift aid programs under the Federal Title IV codes. It provides the foundation for all need-based assistance. Financial need is the single criterion used to determine the amount of the award, but students must also meet certain other stipulations to receive a Pell Grant. Pell grants are available only to undergraduates working on their first baccalaureate degree. To determine eligibility for the Pell grant, the student must first complete the Free Application for Federal Student Aid (FAFSA) and have the information sent to the Office of Student Financial Aid.

The Federal Supplemental Educational Opportunity Grant Program (FSEOG) is designated to assist students with exceptional financial need. First preference for these awards is mandated by Federal regulation to go to Pell grant recipients. The FSEOG is available only to undergraduates.

The Texas Public Educational Grant Program (TPEG) is a state administered program for students. Eligibility is determined using information from the FAFSA need analysis. Priority consideration is given to full-time undergraduate students, but graduate students are eligible also.

The Texas Grant program is a state funded program that helps qualified students pay tuition and fees. Criterion is based on the FAFSA need analysis and completion of the recommended or distinguished high school curriculum.

Student loans are available through a number of federal and state programs. Loans differ in interest rates, terms of repayment, and provisions for in-school deferments. Student loans are not gift aid and must be repaid.

The Family Federal Educational Loan Program (FFELP) is the largest loan program administered by the Federal government. This program consists of several types of student and parent loans including the Federal Stafford Loan, Unsubsidized Stafford Loan, and the Parent Loan for Undergraduate Students (PLUS). The Federal Stafford Loan Program (subsidized) provides guaranteed student loans to students at a low variable interest rate. The Federal government pays the interest on these loans while the borrower is enrolled in school. Eligibility for a subsidized Federal Stafford Loan is determined through the FAFSA need analysis. All other FFELP loans are unsubsidized. This means that the borrower begins paying interest on the loan at the time the loan is made. In most cases, the principal can be deferred during enrollment periods. Unsubsidized loans can be used to meet the Expected Family Contribution (EFC) calculated in the FAFSA need analysis. The EFC is that portion of the student's family income which should be available to help pay a portion of the student's educational costs.

Short-term Institutional Loans are also available for students attending the University. These loans are for tuition and fees only and are repayable in installments within ninety days. Applications are available from the Office of Accounting.

The University provides a limited number of jobs on campus to currently enrolled students. Eligibility for federal or state programs is determined by the FAFSA need analysis. Earnings are to be used to help pay for the student's education expenses (tuition, fees, books, and living expenses).

The Federal Work-Study Program provides on-campus employment opportunities for students to work as professional assistants, in the library, in student services, and in many other locations throughout the University. Because it is a need-
based program eligibility is determined from the FAFSA application. The number of hours per week is determined by the student’s award amount, but students may not work over 19 hours per week. Pay is based on a sliding scale, but no one receives less than minimum wage. Both graduates and undergraduates may receive Federal Work-Study awards.

**Regular Student Employment** is sometimes available through individual departments. These part-time jobs are not related to the need-based awards, and the employing department has considerable latitude in meeting personnel needs. Application is made at the department level. Students may not work over 19 hours per week.

Although state and national policy has established many objectives for student financial aid programs, one clear purpose is to fund only students who meet certain academic standards. Institutions are therefore required by law to formulate standards to gauge the progress of students receiving federal and state financial aid by applying both qualitative and quantitative measurements to academic work. A maximum time limit for the completion of a degree and a minimum grade point average (GPA) are used by the University to measure satisfactory academic progress. Most private and institutional scholarships have specific academic and enrollment standards required for renewal or continuance of the award, if renewal is allowed.

The qualitative standard of **satisfactory academic progress** is measured by the cumulative grade point average (CGPA) of courses taken at U. T. Permian Basin. Each financial aid recipient’s academic record is reviewed at the end of each Spring semester in which financial aid was received to measure the student’s qualitative academic progress.

Undergraduate students must maintain a minimum CGPA of 2.00 each semester they are enrolled. Students falling below this minimum CGPA are subject to academic probation or dismissal as described in the “Grading Policies” section of this catalog. Failure to meet the minimum standards described above or in the “Grading Policies” section of this catalog will result in sanctions ranging from losing eligibility for scholarships to termination of all financial aid eligibility. Administration of this policy will be as follows:

1. A student failing to meet the minimum standards for the first time will be eligible to receive financial aid for the following award year on probation provided the student can be expected to improve his or her academic performance to the minimum standards required during the probationary award year of attendance.
2. A student failing to meet the minimum standards for the first time who cannot be expected to improve his or her academic performance to the minimum standards during a probationary award year will be suspended from receiving any further financial aid.
3. A student placed on financial aid probation must attain minimum academic standards within the next academic year. Failure to remove the deficiencies within that time frame will result in suspension for financial aid eligibility.

The University has established a quantitative measurement of academic progress toward completion of a student’s degree or certification program. Federal Title IV regulations state that student eligibility cannot extend past 150% of the stated length of a student’s program of study. A first baccalaureate program at U. T. Permian Basin requires a minimum 120 semester credit hours for graduation. Therefore, a student who is working on a first bachelor’s degree must complete the program within 180 attempted semester credit hours (120 hrs. x 1.50). Programs of different lengths would be similarly calculated. A student’s entire enrollment history is considered when evaluating academic progress within the established time frame, whether or not aid has been received previously. At the end of the semester in which the maximum number of allowed hours has been attempted the student loses eligibility for financial aid to complete that program.

In addition to the overall time frame, a financial aid recipient must also be making progress toward completing the program by completing the number of **funded hours** attempted each year. Funded hours are those semester credit hours which are counted in determining a student’s enrollment status for payment of financial aid. Courses in which a “W”, “D”, “F”, “U” or “Z” has been recorded may be repeated once and be included as funded hours for financial aid (i.e., in the 12+ hours for full-time enrollment). Repeated courses in which a grade of “C” or higher, “S” or “I” has been recorded will not be included as funded hours for financial aid. Audited courses cannot be funded with financial aid or counted in the progress requirements.

Federal Title IV regulations specify that developmental courses may be included as funded hours for financial aid. These courses are numbered 0399 in the catalog (i.e., ENGL 0399, Fundamentals of Composition). The regulations also stipulate that a student may receive funding for not more than one year or thirty (30) hours of developmental courses. Therefore, each course numbered 0399 may be repeated once and still receive financial aid funding provided all other program requirements have been met.

A quantitative measurement of academic progress will be made annually for all financial aid recipients. At the end of the spring semester a student must have successfully completed a minimum of seventy-five percent (75%) of all course enrollments attempted at U. T. Permian Basin. Any student who falls below the minimum completion rate of 75% will be placed on Financial Aid Probation or Suspension until the ratio of completed to attempted hours is again above 75%. Courses with a recorded grade of “F”, “U”, “W”, “Z” or “PR” are not considered successfully completed. Students are permitted to use summer enrollments to make up credit hour deficiencies. Only enrollments attempted and successfully completed at U. T. Permian Basin will be considered in academic progress. Courses repeated or transferred from other institutions are not
considered in measuring academic progress except for monitoring the overall time frame for completion of a student’s program of study.

Students who have lost eligibility to receive financial aid as a result of Financial Aid Suspension must complete the equivalent of one award year of full-time enrollment (12 hours) per semester using their own resources without benefit of financial aid and attain the minimum standards of satisfactory academic progress before becoming eligible to reapply for aid.

The University recognizes that students sometimes encounter circumstances beyond their control that can adversely affect their academic progress. Any student subject to probation or suspension of financial aid eligibility may appeal to the Director of Student Financial Aid for a review of the decision. The appeal must be submitted in writing and include in the request an explanation and documentation of the reason(s) why the minimum academic standards required by this policy were not achieved. The student has the right to further appeal the decision of the Director of Student Financial Aid to the Financial Aid Review Board. The review board shall have the authority to uphold or overturn the suspension. The review board shall also have the authority to place conditions upon the receipt of any financial aid for those cases where aid is reinstated. The student will be notified by the Director of Student Financial Aid in writing of the review board’s decision.

As an institution participating in programs under Title IV of the Higher Education Act of 1965 as amended (hereinafter referred to as the “Act”), The University of Texas of the Permian Basin is required to refund unearned tuition, fees, room and board, and other charges to certain students attending the institution for the first time who have received a grant, a loan, or work assistance under Title IV of the Act or whose parents have received a loan on their behalf under 20 U.S.C. Section 1087-2. The refund is required if the student does not register for, withdraws from, or otherwise fails to complete the period of enrollment for which the financial assistance was intended. No refund is required if the student withdraws after a point in time that is sixty percent of the period of enrollment for which the charges were assessed. A student who withdraws prior to that time is entitled to a refund of tuition, fees, room and board, and other charges that is the larger of the amount provided for in Section 54.006, Texas Education Code, or a pro rata refund calculated pursuant to Section 484B of the Act, reduced by the amount of any unpaid charges and a reasonable administrative fee not to exceed the lesser of five percent, or one hundred dollars. If the student charges were paid by Title IV funds, a portion or all of the refund will be returned to these programs.

Hazlewood Act for Texas Veterans. The Texas State Legislature established a tuition and fees waiver program to assist Texas veterans who have exhausted their eligibility for educational benefits under the G.I. Bill and are not eligible for Federal Title IV grants-in-aid. Veterans who qualify will receive a waiver of all tuition charges and specified fees. Contact the Office of Student Financial Aid for further information about the Hazlewood Act and other eligibility criteria.

Off-campus employment. The PASS Office continually posts employment opportunities off campus. This office provides this as a service to both the student and the employer.

Texas Agency Assistance. The state of Texas offers assistance to qualified students who meet specific criteria as established by the respective agency. Applications for agency funding are available through the agency.

Veterans Education Benefits. The University participates in all aspects of the Veterans Administration programs available to returning veterans enrolling as students. A veteran’s advisor under the auspices of the Veterans Administration Program is available for individual consultation and assistance on the U. T. Permian Basin campus. The advisor is located in the Registrar’s Office.
Student Life

Activities, Organizations, and Student Union

Student Life includes a wide range of services and programs to help our students develop leadership skills, provide activities for our students to enjoy between, before, or after classes, and provide a welcoming atmosphere in the center of campus for our students to relax, study, watch television, or grab some refreshments.

Falcon Ambassadors: Experienced student leaders are honored at U. T. Permian Basin, by being nominated as Falcon Ambassadors. The existing Ambassadors vote on all the nominees, so there is a double honor; once just to be nominated and second, to be selected. The Ambassadors assist with commencement, honors convocation, and a few other university events each year.

Miss U. T. Permian Basin: A group of students plans a campus pageant and assists the winner in representing The University at the state level.

New Student Orientation: The Student Life Office coordinates summer and January orientations of campus for new students. The orientation leaders are all older students who can help new students “learn the ropes” here at U. T. Permian Basin. Some of the hOla (orientation leaders association) members are paid for a portion of the year, but most are volunteers who just want to help new students and get experience planning a major activity.

Pep Band and Mariachi Band: A band director has been hired to recruit and train these two music groups for interested students.

Publications: The dissemination of news and information of student interest and the publication of literary and artistic student work are supported by student activities.

The Sandstorm is an annual magazine-yearbook publication. The Sandstorm is a collection of poems, short stories, and essays submitted by students and selected by a panel for publication. The magazine also prints photographs of student art that includes painting, sculpture, pottery and photography.

The Sandstorm is a student publication with its editor and staff selected from the student body. Applications for editor are accepted from returning students and incoming students with publication experience.

The Mesa Journal is the award-winning student newspaper for U. T. Permian Basin. It is a bimonthly newspaper that publishes news and information regarding the University and our students, and national or international news that affects the university community. The Mesa Journal provides an opportunity for students to gain newspaper journalism experience while attending the University. It serves the University as an academic tool through the Mass Communications discipline and as an information service to the students.

The editor and staff for The Mesa Journal are selected from the student body by the Humanities Department. The student staff receives professional advice from faculty advisors. The Mesa Journal receives financial support from the Student Services Fees.

Student Senate: The Student Senate of U. T. Permian Basin is the elected student organization representing the interests and needs of the student body. The Student Senate is recognized by the administration of U. T. Permian Basin and by the Board of Regents of the U. T. System as the elected representative body for students at U. T. Permian Basin.

Officers are elected at the end of each spring semester and Senators are elected at the end of spring and early in the fall semester. Candidate registration forms are available through the Student Senate Office. Students are encouraged to seek elected offices. The Student Senate makes recommendations to the administration on policies that affect the student body and appoints students to sit on important University committees with faculty and staff members.

The U. T. Permian Basin Student Senate co-sponsors the Halloween Carnival, Battle of the Bands, and many other activities that benefit the University community, the Odessa community, and the Permian Basin area. The Student Senate also provides limited funding for individual students and clubs to attend academic and professional conferences.

Student Program Board: The student program board is responsible for identifying, budgeting, and developing cultural, social and recreational programs for the student body. Students are encouraged to contact the program board to get involved as volunteer activity programmers or as paid part-time staff members.
The U. T. Permian Basin Student Program Board brings in a variety of well-known and aspiring artists and entertainers, sponsors Saturday night karaoke in the student union, and takes students to regional and national leadership development conferences.

**Student Clubs and Organizations:** Students are encouraged to join or develop clubs and organizations that unite students for a common cause or interest. Such organizations allow students to pursue specialized interests and to have an opportunity to interact with classmates and professors in an atmosphere different from that of the classroom. Involvement in student organizations provides a means of practicing leadership skills.

The Student Activities Office, located in the student union: MB 216 is responsible for the registration of student clubs and organizations and publishes a guide for the development of clubs and organizations. The Student Activities Office also provides various resources for student organization development, work stations and materials, and training on U. T. System policies for student organizations.

The **UTPB Student Union:** The student union is situated in the north half of the second floor of the Mesa Building. The student union contains a work area with lockable work stations for student clubs and organizations. The student union reception desk is open from 8:30 a.m. until 10:30 p.m. M-F and on Saturdays and Sundays from 3:00 p.m. to 9:00 p.m. There are quiet study areas, a game room, meeting rooms, televisions and television rooms, playstations, and a snack bar (operated by Catering Express) in the student union.

The **Gymnasium/Pool Complex.** This three-story building is designed for recreational use by students, faculty and staff and their families. Dependent family members of students may use the Gymnasium/Pool Complex for a nominal fee.

The Gymnasium/Pool Complex consists of four racquetball courts, two volleyball, 4 badminton courts, and three basketball courts. The complex has an exercise room equipped with free weights and a full set of station weight machines and cardio exercise machines, such as treadmills, steppers, stationary bikes, and elliptical trainers. In addition, there is an athletic field, four lighted tennis courts, and 3.5 miles of walking, jogging and skating trails. The Olympic-size swimming pool is the largest outdoor pool in Odessa. It is heated for comfort and has certified lifeguards on duty during operating hours. The pool is open year round except from mid-October to mid-March.

**Housing.** The University of Texas of the Permian Basin offers a variety of options for students who desire on-campus residence. Many single students prefer the apartment-style units. These units are constructed as two and four bedroom apartments for same sex occupancy. The two bedroom apartments are double occupancy bedrooms; four students to an apartment. For a slightly higher price, students may select the four bedroom apartment with single occupancy bedrooms. The housing units are arranged around a centrally located laundry/recreational building for easy access. The University also offers single and married students options in its modular housing units. Students may select from an efficiency, one bedroom, two bedroom, or three bedroom units.

The housing area is within easy walking distance of the University Mesa Building, the Visual Arts Building, the Library/Lecture Center and the science laboratories. All Student Housing prices include the cost of electricity, water, sewer, garbage collection, maintenance, and police security. Student Housing is available on a first-come, first-served basis, and students must be enrolled full-time. For additional information contact the Student Housing Office.

**Intercollegiate Athletics**

**Athletic Department Mission**

Intercollegiate Athletics at U. T. Permian Basin will afford prospective students from West Texas the opportunity to compete in sports within an environment that is conducive to the achievement of their academic goals. The Athletic Department’s coaches and staff will work to recruit student-athletes who are prepared to enter and compete successfully within a university academic environment. Sports serve as a source of cohesion for the student body as well as the community and act as a vehicle for socialization between persons of various races, cultures and ages.

**Program Goals**

The Athletic Program at The University of Texas of the Permian Basin exists in order to recruit students to the University, to enhance the quality of student life, to gain publicity for the University and to bring community members to campus.

**Program Philosophy**

Athletics are meant to be an important part of the college experience for the participants, but all participants should be aware of the fact that obtaining a college degree is the primary reason for attending college. UTPB athletes participate for the love of the game. U. T. Permian Basin does not offer athletic scholarships to its student-athletes.
Sports Sponsored

Women's Swimming  Men's Swimming  Women's Soccer  Men's Soccer  Women's Basketball  Men's Basketball  Women's Volleyball  Women's Softball

National and Conference Affiliations

The Intercollegiate Athletics Program was added to the University in the fall of 1994 when the volleyball team began participation within the National Association for Intercollegiate Athletics (NAIA) as an independent member. U. T. Permian Basin is currently a member of NAIA and the Red River Athletic Conference. The Red River Athletic Conference was formed in 1998. U. T. Permian Basin is the only conference member that does not provide athletic scholarships.

Funding

The Athletic Department is funded primarily through student fees. Additional funding is provided from area businesses and interested community members. The assessment of fees for athletics was permitted only after approval by the student body, the State Legislature and the Board of Regents of The University of Texas System. State funds cannot be used to support athletic activities.

Admission to Home Athletic Events

Admission to home athletic events is free to all students. There is a charge for non-UTPB students.

General Eligibility Requirements

In order to be eligible to participate in Intercollegiate Athletics, students must meet all eligibility requirements set forth by the NAIA. Complete requirements are too numerous to list here. A thorough eligibility check is completed before the first competition each season. General eligibility guidelines are presented below:

Full-Time Status. Students must be enrolled in a minimum of 12 semester hours to be eligible to compete. Students falling below 12 hours are ineligible. In order to assure that students participating in athletics do not fall below 12 hours, an academic hold is placed on the schedule of each participant during the semester(s) of competition. The Athletic Director must be consulted before adds or drops can be made.

Incoming Freshmen. Freshmen must meet two of the following three criteria to be eligible:
- Score at least 860 on the SAT or 18 on the ACT given on a national testing date.
- 2.0 high school GPA (on a 4 point scale).
- Graduate in the top 1/2 of the senior class.

Second Semester Freshmen. Students beginning competition in the spring semester must meet the above criteria and have passed a minimum of 9 hours in the fall semester.

Returning Players. Returning players must pass 24 hours before competing for a second season. This can include Summer classes and required remedial coursework such as Math 0399.

Third Season of Competition. To be eligible to compete in a third season, students must have completed a minimum of 48 credits that count toward the degree and have a 2.0 or higher grade point average for all college work. Remedial coursework cannot count toward the 48 credits.

Fourth Season of Competition. To be eligible to compete in a fourth season, students must have completed 72 credits, 48 of which must count toward a degree at UTPB, and have a minimum grade point average of 2.0

KINE 159 Intercollegiate Athletics. All athletes are required to enroll in Intercollegiate Athletics during the semester(s) in which they participate.

Interested in Contacting the Coaches?

Below are the office phone numbers, FAX numbers and email addresses for all current coaches:

Men's Basketball: Keith Thompson
Office: (432) 552-3677  FAX: (432) 552-3676
Email: Kthomp5784@aol.com

28  UTPB 2003–2005 Undergraduate Catalog
Program Administration

The Director of Athletics is Dr. Steve Aicinena. His office is located in Gym 202. Any questions or concerns about the athletic program may be directed to him.

PASS Office

The Office for Programs Assisting Students Study (PASS) is a multiple resources center for students. This office provides both direct and indirect services to all students.

Americans With Disabilities Assistance. The office provides information about accommodations and provides services to students with disabilities. Students admitted to the University should contact the office one month in advance to set up services.

Career Services. The U. T. Permian Basin Career Services Office, which is located in the PASS Office, serves as a liaison between students seeking employment and prospective employers. Services available include job listings, placement files, on-campus interviews, and resources pertaining to job-hunting skills. Credentials files contain a student’s resume, transcripts, letters of recommendation, and other pertinent information. Career services are available to all students and alumni.

Career Guides. Resource books and handouts are available for students to use in obtaining career information. Resources are also available for assisting students who are preparing resumes and who are preparing for interviews.

Computer Support. Personal computers are available for use by students in the PASS office. Word processing, tutorial, and standardized test preparation for the GRE, GMAT, and LSAT software are provided for student use. Reading, writing and mathematics review guides and computer assisted skill sessions are available in the PASS Office. Students are encouraged to use these tutorials as needed.

Counseling Services. Academic counseling in the areas of study skills, career counseling and career interest testing and short-term problem solving counseling services are available.

Study Skills Seminars. Study skills seminars are scheduled throughout the semester. The seminars are professionally presented by video and lecture and include topics such as: time management, speed reading, listening, study strategies, overcoming procrastination, stress reduction and TASP non-course skill development.
SUCCESS Program. The SUCCESS Program, as part of the PASS Office, is designed to assist students with their academic work and any problems related to success at the University. Students are selected to participate in the program for one semester. The SUCCESS Program provides tutoring, mentoring, counseling and personal support to succeed in college.

Testing. The PASS Office provides testing services for self-paced, correspondence courses and make-up exams. The office also administers the Institutional SAT, Quick TASP and placement in Math.

Tutoring Services. In the fall and spring semesters several courses are identified in which students may have some difficulty. To support students who are taking those courses, a class tutor/mentor attends the class sessions and conducts study sessions at another scheduled time for all the students in that class. There is no additional cost for this supplementary instruction service and students who take classes in which these tutor/mentors are available are encouraged to take full advantage of the opportunity. Research suggests that students participating in these study sessions make significant gains in their classes. Tutors may be available at no cost through the PASS office. The PASS Office also maintains a list of tutors and will provide students with a list of available tutors who will tutor for a fee.

Other Services. Typewriters, part-time and full-time job posting study guides, videos and college catalogs.

Regulations Governing Student Conduct

This section is a general guide to rules and regulations governing student conduct at The University of Texas of the Permian Basin. More specific information about rules and student rights is available in the Student Guide which is available in the Office of Student Life. The University considers all students to be adults; therefore, their behavior is subject to all applicable provisions of the Rules and Regulations of The University of Texas System Board of Regents and the Handbook of Operating Procedures of The University of Texas of the Permian Basin. The University reserves the right to restrict the enrollment of any student for disciplinary or academic reasons.

AIDS, HIV, and Hepatitis B Infection. The University of Texas Permian Basin recognizes its responsibility to protect the rights and privileges of students, employees, patients, and the general public against the contact with the spread of infectious diseases. In recognition of Human Immunodeficiency Virus (HIV) and Hepatitis B (HBV) as serious health threats, U. T. Permian Basin has adopted a policy and procedural steps to protect both the rights and well-being of those students who may be infected with HIV or HBV as well as to prevent the spread of infection. No individual with HIV or HBV infection will be discriminated against in employment, admission to academic programs, health benefits, or access to facilities. Students with HIV or HBV infection may attend all classes without restriction, as long as they are physically and mentally able to participate and perform assigned work and pose no health risks to others. All information regarding the medical status of U. T. Permian Basin faculty, staff, and students is confidential.

A complete copy of the “AIDS, HIV and Hepatitis B Infection” policy can be found in the institutional Handbook of Operating Procedures available in the Office of each school or college, the Library, most U. T. Permian Basin departments and on the internet at <http://www.utpb.edu. This policy is applicable to all students of U. T. Permian Basin as they pursue their academic (and clinical) endeavors. Brochures with information about AIDS/HIV will be made available to all students on request to the U. T. Permian Basin Student Life Office.

Bacterial Meningitis Information. Bacterial Meningitis is a serious, potentially deadly disease that can progress extremely fast, so utmost caution is required. It is an inflammation of the membranes that surround the brain and spinal cord. The bacteria that cause meningitis can also infect the blood. This disease strikes about 3,000 Americans each year, including 100-125 on college campuses, leading to 5-15 deaths among college students every year. Bacterial Meningitis is transmitted when people exchange saliva (such as by kissing, or by sharing drinking containers, utensils, cigarettes, toothbrushes, etc.) or come in contact with respiratory or throat secretions. Symptoms include high fever, rash or purple patches on the skin, light sensitivity, confusion and sleepiness, lethargy, severe headache, vomiting, stiff neck, nausea, and seizures. The more symptoms present, the higher the risk. When these symptoms appear seek immediate medical attention. There is treatment, but those who survive may develop severe health problems or disabilities. Early diagnosis and treatment can greatly improve the likelihood of recovery.

For more information, contact your own health care provider or local Texas Department of Health. Information web sites: www.cdc.gov/ncidod/dnbmd/diseaseinfo_www.acha.org.

Disciplinary Procedures. All students at The University of Texas of the Permian Basin are subject to all the Rules and Regulations of the Board of Regents of Texas System and all institutional rules and regulations. Rules regarding student conduct and discipline are included in Part One, Chapter VI of the Regents’ Rules and Regulations. The University of Texas of the Permian Basin Handbook of Operating Procedures and the Student Guide.

According to the Regents’ Rules, the Vice President for Student Services has the authority to take interim disciplinary action when the continuing presence of the student poses a potential danger to persons or property or a potential threat of disrupting any authorized university activity.
Disciplinary action could include:

- Disciplinary probation.
- Withholding of grades, official transcript and/or degree.
- Bar against readmission.
- Restitution or reimbursement for damage to or misappropriation of institutional or System property.
- Suspension of rights and privileges, including participation in athletic or extracurricular activities.
- Failing grade for an examination or assignment or for a course and/or cancellation of all or any portion of prior course credit.
- Denial of degree.
- Suspension from the institution for a specified period of time.
- Expulsion (permanent separation from the institution).
- Revocation of degree and withdrawal of diploma.
- Other penalty as deemed appropriate under the circumstances.

Further information regarding the University's rules on conduct and due process procedures is provided in the Student Guide.

**Drugs/Narcotics.** Any student who is guilty of the illegal use, possession and/or sale of a drug or narcotic on the campus of U. T. Permian Basin or any other U. T. System component institution is subject to discipline. If a student is found guilty of the illegal use, possession, and/or sale of a drug or narcotic on campus, the minimum penalty shall be suspension from the institution for a specified period of time and/or suspension of rights and privileges.

**Hazing.** The 70th Texas Legislature enacted a law concerning hazing which became effective on September 1, 1987. Under the law, individuals or organizations engaging in hazing could be subject to fines and charged with a criminal offense.

According to the law, a person can commit a hazing offense not only by engaging in a hazing activity, but also by soliciting, directing, encouraging, aiding or attempting to aid another in hazing; by intentionally, knowingly or recklessly allowing hazing to occur; or by failing to report in writing to the Vice President for Student Services firsthand knowledge that a hazing incident is planned or has occurred. The fact that a person consented to or acquiesced in a hazing activity is not a defense to prosecution for hazing under this law. In an effort to encourage reporting of hazing incidents, the law grants immunity from civil or criminal liability to any persons who report a specific hazing event to the Vice President for Student Services; and immunizes that person from participation in any judicial proceeding resulting from that report. The penalty for failure to report is a fine of up to $1,000.00, up to 180 days in jail, or both. Penalties for other hazing offenses vary according to the severity of the injury which results and range from $500.00 to $10,000.00 in fines and up to two years confinement.

The law does not affect or in any way restrict the right of the University to enforce its own rules against hazing. Hazing with or without the consent of the student is prohibited by the University of Texas System, and a violation of that prohibition renders both the person inflicting the hazing and the person submitting to the hazing subject to discipline.

The law defines hazing as any intentional, knowing, or reckless act, occurring on or off the campus of an educational institution, by one person alone or acting with others, directed against a student, that endangers the mental or physical health or safety of a student for the purpose of pledging, being initiated into, affiliating with, holding office in, or maintaining membership in any organization whose members are or include students at an educational institution.

Hazing includes but is not limited to:

A. Any type of physical brutality, such as whipping, beating, striking, branding, electronic shocking, placing of a harmful substance on the body, or similar activity;

B. Any type of physical activity, such as sleep deprivation, exposure to the elements, confinement in a small space, calisthenics, or other activity that subjects the student to an unreasonable risk of harm or that adversely affects the mental or physical health or safety of the student;

C. Any activity involving consumption of food, liquid, alcoholic beverage, liquor, drug, or other substance which subjects the student to an unreasonable risk of harm or which adversely affects the mental or physical health of the student;

D. Any activity that intimidates or threatens the student with ostracism, that subjects the student to extreme mental stress, shame, or humiliation, or that adversely affects the mental health or dignity of the student or discourages the student from entering or remaining registered in an educational institution, or that may reasonably be expected to cause a student to leave the organization or the institution rather than submit to acts described in this subsection; and
E. Any activity that induces, causes, or requires the student to perform a duty or task which involves a violation of the Penal Code.

Immunizations. Institutions of higher education may require persons applying for admission to be immunized against diphtheria, rubella, rubella, mumps, tetanus, and poliomyelitis. The Texas Board of Health may require immunizations against these and additional diseases for registrants at any institution of higher education who are pursuing a course of study in any of the human or animal health professions, and the board may require such immunizations for any registrants in times of an emergency or epidemic in a county where such an emergency or epidemic has been declared by the Commissioner of Health.

Intoxicating Beverages. The use of intoxicating beverages is prohibited in classroom buildings, laboratories, auditoriums, library buildings, museums, faculty and administrative offices, intercollegiate and intramural athletic facilities, and all other public campus areas. State law will be strictly enforced at all times on all property controlled by the System and its component institutions.

Right to Know. In compliance with the Student Right-to-Know and Campus Security Act (the Act) 20 U.S.C. Sections 1092 (a), (e) and (f), as amended, The University of Texas of the Permian Basin collects specified information on campus crime statistics, campus security policies, and institutional completion or graduation rates.

Pursuant to the federal law, alleged victims of violent crime are entitled to know the results of campus disciplinary proceedings concerning alleged perpetrators.

U. T. Permian Basin reports to the campus community on crimes considered to be a threat to students and employees and reported to campus police or local police agencies.

U. T. Permian Basin publishes and distributes an annual report of campus security policies and crime statistics to all current students and employees; provides copies of the report to applicants for enrollment or employment upon request; and submits a copy of the report to the Secretary of Education upon request. The annual campus crime statistics report references crimes which occur on property owned or controlled by U. T. Permian Basin and may be supplemented by listing crimes which occur off the campus in buildings or on property owned or controlled by student organizations that are registered by the institution when such statistics are available from local police departments.

U. T. Permian Basin annually calculates and discloses institutional completion or graduation rates for undergraduate students to all prospective and current students. (The federal requirement for calculation of a completion or graduation rate applies only to institutions of higher education that admit undergraduate students who are enrolling for the first time at an institution of higher education and have not enrolled previously at any other institution of higher education.)

U. T. Permian Basin publishes in the annual security report, its policy regarding sex-related offenses, including sexual assault prevention programs, education programs to promote awareness of sex offenses, administrative disciplinary procedures and sanctions for offenders, and counseling and student services for victims.

Solicitation. No individual, organization, group, association, or corporation may use the grounds, buildings, or facilities owned or controlled by any component institution or by the System except as permitted by the provisions of the Regents' Rules and Regulations and approved institutional rules and regulations. Exceptions include collection of membership dues by faculty, staff and student organizations and approved fund-raising performed by registered student organizations.

The term "solicitation" as used herein means the sale or offer for sale of any property or service, whether for immediate or future delivery; the distribution of material that is designed to encourage the purchase or rental of any property, product, or service; the oral or written appeal or request to support or join an organization other than a registered student, faculty, or staff organization; the receipt of or request for any gift or contribution; and the request that a vote be cast for or against a candidate, issue, or proposition appearing on the ballot at any election held pursuant to state or federal law.

Student Insurance. Students needing health insurance may obtain information from the Student Life Office located in the student union; Mesa Building 216.

University-Related Student Travel (Texas Education Code, Section 51.949).

A. Use of Non-employee Students as Drivers is Prohibited

Student motor vehicle use and travel while engaged in University-related activities present special risk issues. Because they are not employees, motor vehicles cannot be rented for their use pursuant to the State rental car contracts; and, no coverage for personal injuries is available to them if they drive University-owned or their personal vehicles. Therefore, it is required that students who are also not employees of The University not be used as drivers; nor should they be asked or required to use their personal vehicles to engage in University-related activities.
B. Guidelines for Using Students as Driver
   1. Students who drive on behalf of the university must be on the Payroll.
      a. Students who are regularly or frequently being called upon to drive on behalf of the university should be
         appointed as employees by the requesting department or unit.
      b. Student-employees who frequently drive university vehicles while on university-related activities should be
         "authorized" in the same manner as any other employee who regularly drives for the university, i.e. they
         should have a current Motor Vehicle Record on file with the Physical Plant Department.
      c. The hiring department should also verify that the student/employees who drive have health insurance
         coverage of some kind.

C. Guidelines for Occasions When Students are Passengers in Motor Vehicles Involved in University-related Activities
   1. Verify health insurance coverage for all students who are to be passengers in vehicles driven on university-related
      activities.
   2. If verification of coverage is not provided Special Events medical insurance should be purchased by each passenger
      prior to the trip (see the Office of Student Activities).
      Where rental vehicles are used to transport students, the personal injury and personal effects insurance should be
      purchased as a part of the vehicle rental agreement. This is particularly important where vans are rented to transport
      large numbers of students in a single vehicle.

D. Guideline Concerning Student releases and Medical Authorizations
   Each student who travels by motor vehicle (or any other form of transportation) to participate in a university-related
   activity, including but not limited to academically related field trips or courses, competitions or contests; or non-
   academic activities such as those sponsored by Recreational Sports, must execute a copy of the Release and
   Indemnification Agreement and The Authorization for Emergency Medical Treatment that are attached to these
   guidelines prior to such activities.

E. Guidelines Concerning Use of Personal Vehicles by Students
   1. Use of personal vehicles by students to drive to university-related activities is discouraged.
   2. If students use their own vehicles, and/or transport other students as passengers, they should be informed, in
      advance, that their personal insurance would be primarily responsible for any liability that may arise from such use.

F. Guidelines Concerning Safe Travel Practices
   Each administrative unit approving university-related travel, especially that involves students, is encouraged to
   promulgate Guidelines that encourage safe driving and minimize risks of injury during that travel.
Registration

Students who are officially admitted to the University may register for courses. Prior to each academic semester, a registration period is held. Dates of these registration periods and the dates of other transactions that affect student course schedules are printed in the Schedule of Classes.

Freshman Registration

To assist freshmen who are entering the University in the Fall semester, a special freshman registration is held in conjunction with freshman orientation. Only freshmen who attend orientation are advised and register at this time. Dates for freshman orientation are provided for entering freshmen in advance of the scheduled orientation days. New students must complete the admissions process through the Office of Admissions prior to enrolling in classes. (See the Admissions section of the catalog and contact the Office of Admissions for further details.) Individuals who desire financial aid assistance should contact the Office of Student Financial Aid and complete paper work several months in advance of Freshman Orientation in order that their aid may be processed in a timely manner. (See the Financial Aid section of the catalog and contact the Office of Student Financial Aid for details regarding financial aid.)

ALL entering freshmen must take UNIV 1001 or UNIV 1002 (Freshman Seminar).

Early registration for current students

Students who are currently enrolled (students who have attended the University within the last two semesters) are permitted to register in advance during the prior semester, provided they are in good standing with the University. Dates of early registration are listed in the semester calendar of the Schedule of Classes and are otherwise advertised on campus via posters and signs. Students are encouraged to become knowledgeable of the rules governing early registration, consult their advisor prior to early registration and understand the arrangements for payment of tuition and fees. Students receiving financial aid are encouraged to consult with the Office of Student Financial Aid prior to the early registration period to permit proper processing of their financial aid. (See the Financial Aid section of the catalog for details and contact the Office of Student Financial Aid regarding financial aid.) Currently enrolled students may forego the early registration period and register during open web registration or regular registration, each held prior to the beginning of classes.

Transfer students and students reenrolling after one or more years absence

Students who are transferring to the University or who are reenrolling in the University after one year or more absence are permitted to register for classes during regular registration held prior to the commencement of classes only if they have been admitted or readmitted. This registration period, is provided to enable a student to complete the registration process including consulting advisors, signing up for classes and paying tuition and fees. Students who are seeking financial aid and who have not completed this process several months in advance of this registration will inevitably be delayed in receiving funds from federal grants and secured and unsecured loans. (See the Financial Aid section of the catalog for details regarding financial aid.) Dates of registration are listed in the semester calendar of the Schedule of Classes.

Web Registration

Web registration is available through CampusConnect which is located on the home page of the UTPB website: www.utpb.edu. To be eligible to WEB register, students must have met TASP requirements, received a PIN number from the Office of the Registrar, and received advisement from their academic advisor. In addition, student records must be cleared of any restrictions. CampusConnect allows students to view and print class schedules, grade reports, and unofficial transcripts. In addition, students can also view their current account and financial aid status.

Texas Academic Skills Program (TASP)

All students shall be subject to the provisions of the Texas Academic Skills Program (Texas Education Code, Sections 51.306 and 51.3061).

The TASP test is designed to determine whether or not students possess the basic skills required in reading, writing, and math necessary for success in university courses, based on state-established minimum criteria. Performance on the test cannot be used as a condition of admission. The test fee is paid by the student. (If necessary, students should contact the Office of Student Financial Aid for a fee waiver voucher.)

All students who have not earned at least three university-level credit hours before Fall 1989 must, according to the Texas Education Code, take the TASP test unless they meet the exemptions established by Texas law (Texas Education Code, Sections 51.306 and 51.3061). This includes any transfer student.
TASP Exemptions:

You may be exempt from taking the TASP if you meet one of the following guidelines:

- You earned 3 or more hours of college level semester credit prior to September 1, 1989.
- You have a SAT composite score of 1070 or higher with verbal and math scores of no less than 500. Scores more than five years old will not be used.
- You have an ACT composite score of 23 or higher with individual mathematics and English scores of no less than 19. Scores more than five years old will not be used.
- You graduated on an advanced high school curriculum from a public or accredited private school with a GPA of 3.5 on a 4.0 scale and enter college no later than two years after your high school graduation.
- On the TAAS test, you earned a minimum scale score of 1770 on the writing test and a Texas Learning Index (TLI) of 86 on the mathematics test and 89 on the reading test. Scores more than three years old will not be used.
- You are a transfer student who earned a “B” or better in transfer freshman level courses designed by the Coordinating Board in reading, writing, or math (See the list below).
- You are currently an active member of the military. You will be exempt for each of the semesters that you remain active military and you must show proof each semester.

It is the student’s responsibility to provide official scores to the Office of Admissions in order to qualify for an exemption prior to enrollment or expiration of those scores. Additional information concerning the Texas Academic Skills Program test, or a list of further exemptions, may be obtained by contacting the Office of the Registrar. Students who have taken the TASP test but not yet passed all three sections by the beginning of any semester must enroll in developmental classes every semester until they retake and pass any failed section. A student may not “enroll in any upper division course the completion of which would give the student 60 or more semester credit hours, or the equivalent, until the student’s TASP test results meet or exceed the minimum standard in each skill area for which developmental education was required or the student has earned a grade of ‘B’ or better in a Board-approved freshman-level credit course in the subject matter of the assessed deficit.”

No student may withdraw from a developmental course unless the student is withdrawing from the University. Students will be permitted to withdraw from these courses only if they retake and pass the appropriate TASP section during the semester. When students have taken all developmental courses required by U. T. Permian Basin policy in reading, writing, or math, they must then retake appropriate section(s) of the TASP test. Students who fail any portion of the TASP on the second attempt may be permitted to enroll in a course approved by the Coordinating Board in an attempt to earn a grade of “B” or better. Students who earn a “B” or higher in an appropriate approved course will be considered to have satisfied the TASP requirement.

The following are approved courses which are used for meeting TASP requirements (Identified by Common Course Numbers):

Writing
ENGL 1301 (Composition I); or
ENGL 1302 (Composition II)

Reading
HIST 1301, 1302 (U.S. History);
ENGL 2321, 2322, 2323 (British Literature);
ENGL 2331, 2332, 2333 (World Literature);
ENGL 2326, 2327, 2328 (American Literature);
PSYC 2301 (General Psychology); or
GOVT 2301, 2302, 2305, 2306 (American Government)

Mathematics
Math 1332 (College Mathematics)
Math 1333 (College Mathematics)
Math 1314 (College Algebra)
Math 1316 (Plane Trigonometry) or
A MORE ADVANCED MATHEMATICS COURSE FOR WHICH ANY OF THE ABOVE ARE PREREQUISITES
Courses numbered 0399 are developmental in content. These courses may be required of students who do not pass all portions of the TASP exam or whose institutional placement test scores indicate a need for developmental preparation. Developmental courses do appear on the student’s transcript but do not provide credit toward a degree. Students receiving financial aid should consult the Office of Student Financial Aid concerning the effect of developmental coursework on academic progress.

The TASP rules and regulations shown in this catalog are those in effect when this catalog went to print. TASP rules and regulations are subject to change due to action by the Texas Legislature.

**Placement Testing**

1. Math placement testing is required for all students needing a math course (approximately 45 minutes to complete). Students majoring in COMPUTER SCIENCE, MATH, or SCIENCE, must take the Calculus Test. All other majors must take the Algebra Test. Students without a major must take the Algebra Test.

   **Scoring The Placement Test**
   0-6 pts. = MATH 0398
   7-16 pts. = MATH 0399
   17 & up = MATH 1332 or MATH 1324

   For additional information contact the Math Center at (432) 552-3350 or MB 450A.

2. Writing placement testing is required for all students needing ENGLISH 1301 (approximately 1 1/2 hours to complete). Students who fail their test are placed in ENGLISH 0399 (remedial course). For additional information contact the Writing Center at (432) 552-2302 or MB 201.

3. Freshmen are required to take the TASP test before they may register. Students who pass the TASP are exempt from the Reading Placement test. Students who fail the reading portion of the TASP test must register for Reading 0399 (remedial course). For additional information contact the PASS Office at (432) 552-2630 or MB 130.

**Student Advisement**

Students are encouraged to visit with faculty advisors for degree and class schedule planning. At announced times, all currently enrolled undergraduate students and currently enrolled graduate students who have been admitted to a graduate program or are seeking teacher certification will be permitted to early register for courses in the subsequent term. Students needing an academic advisor should contact their dean’s office.

Students may not register for conventionally taught partially self-paced courses after the last day of late registration. Students must be officially enrolled at U. T. Permian Basin in the semester in which they graduate.

**E-Advisor**

E-Advisor is a service to facilitate the academic advising process. Students who need to:

- Find out who their academic advisor is
- Make an appointment to meet their advisor
- Be advised through phone or email
- Or otherwise need help in getting academic advising

should e-mail E-Advisor@utpb.edu. In the e-mail state the assistance needed, your major and your full name as it appears on your student records. Someone will respond by e-mail within one working day. Because advising by e-mail may require several e-mail exchanges, students should not plan to use e-mail as the sole method of getting academic advice during the last week before classes begin.

**Noncredit course registration (Auditing Classes)**

U. T. Permian Basin allows a person who does not desire a degree or who does not desire course credit to register for classes on a noncredit basis. This is known as auditing a course. Students auditing classes are permitted to attend classes and participate in the course discussions, studio and laboratory work and other class activities. They are not required to complete work outside the classroom or sit for exams.

The fee for auditing a course is $100 per course plus any applicable lab fee. This fee covers course participation, library use and computer use privileges similar to those of students. It does not cover parking or provide access to student services covered by the student service fee or the medical services fee.
No credit is earned through auditing the class and a student may not earn credit through examination for audited courses. One may not audit contract study, self-paced, thesis, research or practicum courses.

Students applying only for the purposes of auditing a course are not required to meet all admission requirements. However, students that have been denied admission are not eligible to enroll to audit. For further information on admissions for auditing purposes, contact the Admissions Office.

Registration for auditing courses can occur only during the late registration period. It is on a space available basis only and requires the instructor’s permission. Students should contact the Registrar’s Office for audit enrollment forms and procedures.

**Self-paced Instruction**

A number of courses are offered on a self-paced instruction basis. With permission of the instructor and the Dean, students may enroll in a self-paced course any time up to three weeks prior to the last day of classes during the semester. Please refer to the calendar in the class schedule for specific dates.

Registration for self-paced instruction courses alone does not involve a late registration fee, unless it is the student’s initial registration for that particular semester. Students must finish the self-paced course within the given semester or re-register for the same course in a subsequent semester. At the end of each semester, a grade is assigned. If work for a self-paced course has not been completed but satisfactory progress is underway, the student usually is assigned a grade of Z. The student must re-register for the course the next time it is offered to earn a letter grade and credit in the course. The initial Z grade will remain on the record.

**Concurrent Enrollment**

U. T. Permian Basin normally limits concurrent enrollment to community colleges. Students desiring credit for concurrent enrollment at another four-year institution or upper level institution must have the prior express permission in writing from the appropriate Dean before enrollment.

When a student registers at more than one public institution of higher education at the same time, charges shall be determined in the following manner:

Tuition credit is available if three hours or less are being taken at U. T. Permian Basin while concurrently enrolled at an area community college. The student must first register at the area college and bring a receipt to U. T. Permian Basin. U. T. Permian Basin’s tuition charge will be the difference between the student’s total tuition at each of the institutions, but never less than the hourly rate at U. T. Permian Basin.

**In Absentia**

A candidate for a degree who has completed all the courses and other requirements for graduation and who must register in the University for the purpose of having a degree conferred, must register in absentia. This is the only purpose for which a student may register in absentia. After registration for credit during a semester or summer session, a student wishing to change to in absentia status must have the request approved by the student’s academic Dean and processed through the add/drop procedure. All fees, less the in absentia fee and computer use fee will be refunded if the change is made during the first 12 class days of the Spring or Fall semester and 4th class day of the Summer session. After the 12th class day or 4th class day in summer, no refunds will be made and no additional charge will be assessed for the in absentia fee. The University ID card and original paid fee receipt must be returned before a refund can be issued. No refund is made for the cancellation of an in absentia registration.

If the student requests a change from in absentia status to regular registration for courses, in absentia fees paid will apply toward the tuition due.

**The Class Day**

The class day begins at 8 a.m. and ends at 10:00 p.m. Unlike some universities in which courses offered after 5 p.m. are provided through an extension division, U. T. Permian Basin offers courses in the late afternoon and evening as part of the regular offerings. Students enrolling in these courses register in the same manner as students who are taking only daytime courses. Full-time students may have both day and evening classes.

**Family Educational Rights and Privacy Act (FERPA)**

The Family Educational Rights and Privacy Act (FERPA), 20 U.S.C. Sec. 1232g, and the Texas Public Information Act, Texas Government Code Sec. 552.001 et seq., are respectively a federal and state law that provide for the review and disclosure of student educational records. In accordance with these laws the University has adopted the following policy.
The University will not permit access to or the release of personally identifiable information contained in student education records without the written consent of the student to any party, except as follows:

- To appropriate University officials who require access to education records in order to perform their legitimate education duties;
- To Officials of other schools in which the student seeks or intends to enroll, upon request of these officials, and upon the condition that the student be notified and receive copy of the record if desired;
- To federal, state, or local officials or agencies authorized by law;
- In connection with a student’s application for, or receipt of, financial aid;
- To accrediting organizations or organizations conducting educational studies, provided that these organizations do not release personally identifiable data and destroy such data when it is no longer needed for the purpose it was obtained;
- To the parents of a dependent student as defined in section 152 of the Internal Revenue Code of 1954, provided a reasonable effort is made to notify the student in advance;
- In compliance with a judicial order or subpoena, provided a reasonable effort is made to notify the student in advance unless such subpoena specifically directs the institution not to disclose the existence of a subpoena;
- In an emergency situation if the information is necessary to protect the health or safety of the students or other persons; or
- To an alleged victim of any crime of violence, the results of the alleged perpetrator’s disciplinary proceeding may be released.

At its discretion, the University may release directory information which includes student’s name; local and permanent address; email address; telephone number; date and place of birth; field of study; dates of attendance; enrollment status; student classification; degrees, certificates and awards (including scholarships) received; photographs; participation in officially recognized activities and sports; weight and height of members of athletic teams; and the most recent previous educational agency or institution attended. Students may have any or all directory information withheld by notifying the Office of the Registrar in writing each semester during the first 12 days of class of a fall or spring semester or the first 4 class days of a summer semester. Requests to withhold directory information will be honored by the University for only the current enrollment period; therefore, a request to withhold Directory Information must be filed each semester or term in the Office of the Registrar.

Upon written request, the University shall provide a student with access to his or her educational records. Students may challenge the accuracy of their educational records. Students who believe that their education records contain information that is inaccurate or misleading, or is otherwise in violation of their privacy may discuss their problems informally with the Registrar. Afterwards the student may pursue a formal appeal to the Vice President for Student Services.

Details on the University’s policies and procedures on the access to student records can be found in the University’s Handbook of Operating Procedures, Part VI Section 15. This can be found at the following internet address: www.utpb.edu.

Complaints regarding alleged failure to comply with the provision of the FERPA may be submitted in writing to the Family Policy Compliance Office, U.S. Department of Education, 600 Independent Avenue S.W., Washington, D.C. 20202-4605.
Tuition, Fees and Deposits

Residency for Tuition

Under state statutes and Texas Higher Education Coordinating Board rules and regulations interpreting those statutes, a prospective student is classified as a resident of Texas, a nonresident, or an international student. A person who has resided in the state under circumstances specified in these rules is eligible for classification as a resident. A citizen, a national, or a permanent resident of the United States not eligible to be classified as a resident is classified as a nonresident. An alien who is not a permanent resident of the United States and has not been permitted by Congress to adopt the United States as a domicile while in this country is classified as an international student. An individual classified as a nonresident or as an international student may qualify, under certain exceptions specified in these rules, for resident tuition rates and other charges while continuing to be classified as a nonresident or an international student.

To be a Texas resident for tuition purposes, a student must have resided in Texas for the twelve month period immediately preceding registration in a state supported college or university. Students, who are claimed as dependents on their parent’s/guardian’s income tax, will be considered residents of the state in which their parents/guardians reside.

A student entering The University of Texas of the Permian Basin for the first time, or a student reentering the University after an absence of one year or more, should read carefully the rules governing the determination of residence in order to be prepared to pay the required tuition. Information and advice regarding residency status are available from the Office of the Registrar.

Section 54.0521, Texas Education Code, provides for an oath of residency. The student is responsible for registering under the proper residence classification and for providing documentation as required by the public institution of higher education. Acceptable documents must include at least one of the following:

a. Texas high school or college transcript for the last 12 months; or
b. Property tax statement or receipt with student’s name/address; or
c. Lease agreement which includes student’s name/address; or
d. Employer statement of date of employment; or
e. Utility bill which includes student’s name/address; or
f. Canceled check/bank statement; or
g. Charge account statement/receipt, including student’s name and address; or
h. Texas voter registration (returning students only); or
i. Permanent driver’s license (at least one year old; returning students only).

Effective September 2001 an individual is permitted, despite his or her citizenship, to be classified as a Texas resident if the individual resided with their parent or legal guardian while attending high school in this state, graduated from a high school in this state, resided in this state for at least 3 years as of that graduation, registers not earlier than Fall 2001, and provides the required affidavit regarding permanent residency. (Education Code, Sec. 54.060(j)). Also effective Fall 2001, there is a reduction in time that a member of the Armed Forces must have resided in Texas in order to be eligible to establish qualifications to pay in-state tuition (from 12 months to 6 months) (Education Code, Sec. 54.058(d)).

If there is any question as to residence status it is the student’s obligation, prior to or at the time of registration, to raise the question with the administrative officials of the institution in which he or she is enrolling for official determination. Students classified as Texas residents must affirm the correctness of that classification as a part of the registration procedure. If the student’s classification as a resident becomes inappropriate for any reason, it is the responsibility of the student to notify the proper administrative officials at the institution. Failure to notify the institution constitutes a violation of the oath of residency and may result in disciplinary action.

Students claiming residency by virtue of parental dependency must provide sufficient documentation to support the residency claim of the parent. Residency is determined by state statutes and in accordance with the guidelines promulgated by the Texas Higher Education Coordinating Board. The Registrar determines all residency classifications. To appeal the decision of the Registrar in residency matters, students may present their case to the Vice President for Student Services. If students wish to appeal that decision, they may address the President of the University whose decision is final.

Exceptions to Nonresident Tuition Status

1. Nonresident or international students who are recipients of a competitive academic scholarship in the amount of $1,000 or more awarded for the academic year or the summer term by U. T. Permian Basin may pay the in-state tuition rate.
2. Nonresident students who hold appointments as graduate teaching assistants or graduate research assistants may pay the in-state tuition rate provided they are employed half time or more in positions which relate to their degree programs.

3. A nonresident exchange student participating in the National Student Exchange Program may be charged the resident tuition rate during the period of his or her participation in the program.

New Mexico Resident Tuition

Undergraduate students who are residents of State of New Mexico counties that are adjacent to Texas are charged tuition equal to Texas resident tuition.

Undergraduate students who are residents of State of New Mexico counties that are not adjacent to Texas are charged tuition equal to Texas resident tuition plus $30 per semester credit hour.

The 45 Credits Plus Rule

A Texas resident who has taken 45 semester credits more than the minimum required for a bachelors degree from Texas institutions of higher education may be required to pay non-resident tuition rates. Students with 165 or more credits from any Texas public college or university should check with the Registrar’s Office to determine whether or not they may be subject to these regulations.

Senior Citizen Tuition Waiver For Up to Six Credit Hours

"Senior Citizen" is defined by the State of Texas as a person 65 years of age or older. A senior citizen may enroll for credit in up to six hours of courses each semester or summer term without payment of tuition if space is available. A senior citizen who wishes to enroll in courses must first apply for admission in the Office of Admissions.

After the senior citizen student has registered for six or fewer credit hours, this student will need to provide the Office of Accounting with documentation which provides the individual's birth date, such as a driver's license or a birth certificate in order to receive the tuition waiver.

Regulations on Tuition and Fees

**TUITION & FEE EXEMPTION SUMMARY**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ELIGIBILITY</th>
<th>FEES EXEMPTED***</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accredited School Scholarship</strong> (permissive), <em>Texas Education Code §54.201</em></td>
<td>Highest ranking graduate of an accredited Texas high school</td>
<td>Tuition during first two semesters (long session) following graduation</td>
</tr>
</tbody>
</table>
| Children of Texas veterans, *Texas Education Code §54.203* | • For children of members of the armed forces who were killed in action, who die or died while in service, are MIA, or whose death is documented to be directly caused by illness or injury related to service in the armed forces as listed above  
  • For orphans of members of the Texas National Guard killed since January 1, 1946, while on active duty  
  • Must be Texas resident and resided in the state at least 12 months immediately preceding date of registration | Tuition  
Laboratory fees  
General fee  
NOT TO EXCEED 150 CREDIT HOURS |
| Texas ex-servicemen, *Texas Education Code §54.203* | • Resided in Texas for 12 months prior to registration  
• A bona fide legal resident of Texas at time entered service  
• Served in armed forces in World War II, Korean Conflict, the Cold War, Vietnam, Grenada era, Lebanon, Panama, Persian Gulf  
• Honorably discharged  
• Not eligible for federal education benefits | Tuition  
Laboratory fees  
General fee  
NOT TO EXCEED 150 CREDIT HOURS |
<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ELIGIBILITY</th>
<th>FEES EXEMPTED***</th>
</tr>
</thead>
<tbody>
<tr>
<td>Children of disabled/deceased Texas firefighters and peace officers, <em>Texas Education Code §54.204</em></td>
<td>• For children under 21 years of age (or 22 if the student was eligible to participate in special education under Tx Code §29.003) of disabled full-paid or volunteer firefighters, full-paid municipal, county, state peace officers, custodians of the Department of corrections, or game wardens • Disability/death occurred in the line of duty</td>
<td>Tuition Required fees not to exceed 120 undergraduate credit hours or any semester begun after age 26.</td>
</tr>
<tr>
<td>**Disabled Peace Officers (permissive), <em>Texas Education Code §54.2041</em></td>
<td>• Texas resident who has resided in Texas for 12 months immediately preceding registration • Permanently disabled as a result of injury sustained in performance of duties as Texas peace officer • Unable to continue duties as peace officer</td>
<td>Tuition Fees excluding class and laboratory fees NOT TO EXCEED 12 SEMESTERS IN UNDERGRADUATE PROGRAM</td>
</tr>
<tr>
<td>Blind and deaf students, <em>Texas Education Code §54.205</em></td>
<td>• A blind disabled person, or a person whose sense of hearing is nonfunctional • Must be a Texas resident</td>
<td>Tuition Required fees General property deposit</td>
</tr>
<tr>
<td>Children of prisoners of war or persons missing in action, <em>Texas Education Code §54.209</em></td>
<td>Dependent person under 25 years of age who receives majority of support from parent, and whose parent is a resident of Texas active duty military and classified by Department of Defense as a Prisoner of War or Missing in Action at time of the student’s registration</td>
<td>Tuition Required fees</td>
</tr>
<tr>
<td>**Senior citizen (permissive), <em>Texas Education Code §54.210</em></td>
<td>Individuals 65 years of age or older on space available basis</td>
<td>Tuition NOT TO EXCEED 6 CREDIT HOURS PER SEMESTER</td>
</tr>
<tr>
<td>Foster Children, <em>Texas Education Code §54.211</em></td>
<td>Individuals 65 years of age or older on space available basis may audit</td>
<td>Tuition</td>
</tr>
<tr>
<td>TANF Students, <em>Texas Education Code §54.212</em></td>
<td>• For individuals who were in foster care or other residential care under the conservatorship of the Department of Protective and Regulatory Services on or after the day preceding the individual’s 18th birthday, the day of the student’s 14th birthday if the student was eligible for adoption on or after that day, or the day the student received a high school diploma or equivalent • Enrolls not later than the 3rd anniversary of date of discharge from that care or the 21st birthday</td>
<td>Tuition Fees NOT TO EXCEED FIRST ACADEMIC YEAR</td>
</tr>
<tr>
<td>Educational Aides, <em>Texas Education Code §54.214</em></td>
<td>• School employee who worked as an educational aide for at least one year during the 5 years preceding the semester of the exemption • Establish financial need • Pursuing teacher certification • Maintain acceptable GPA • Resident of Texas</td>
<td>Tuition Fees excluding class and laboratory fees</td>
</tr>
<tr>
<td>Early High School Graduates, <em>Texas Education Code §56.201-209</em></td>
<td>• Completed Texas high school in not more than 36 consecutive months • Texas resident</td>
<td>Tuition up to $1,000</td>
</tr>
<tr>
<td>DESCRIPTION</td>
<td>ELIGIBILITY</td>
<td>FEES EXEMPTED***</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Surviving Spouse and minor children of certain police, security or emergency personnel killed in the line of public duty, Texas Govt. Code, §615.0225</td>
<td>• For the surviving spouse or children of certain public peace officers, probation officers, parole officers, jailers, police reservists, fire fighters, and emergency medical personnel. Texas Govt. Code, §615.003</td>
<td>TUITION &amp; FEES</td>
</tr>
<tr>
<td></td>
<td>• Death occurred in the line of duty as a result of a risk inherent in the duty.</td>
<td>STUDENT HOUSING &amp; FOOD CONTRACT COSTS</td>
</tr>
<tr>
<td></td>
<td>• Must be enrolled full time.</td>
<td>TEXTBOOK COSTS</td>
</tr>
</tbody>
</table>

*This information is provided in summary form. For more information contact the Office of Accounting at (432) 552-2706 and/or refer to Texas Education Code Section 54.20, et seq.

**Must have Reginal approval.

***Required fees are those required as a condition of enrollment. They do not include room, board, books, transportation, lab fees or other course specific fees or optional fees.

Refund of Tuition and Fees for Students Withdrawing from The University or Reducing Course Load

Upon completing a withdrawal form and submission to the Registrar, the percent of tuition refund will be determined. Refund amounts for withdrawals are based on the total number of hours in which a student is enrolled at the date of withdrawal. Students withdrawing will be refunded appropriate tuition and fees as follows:

**Long Semesters**

1. Prior to first class day ................................................................. 100%
   (less a $15 matriculation fee)
2. During the first 5 class days ......................................................... 80%
3. During the second 5 class days ..................................................... 70%
4. During the third 5 class days ....................................................... 50%
5. During the fourth 5 class days ..................................................... 25%
6. After the fourth 5 class days ....................................................... NONE

**Summer Session**

1. Prior to the first class day ............................................................. 100%
   (less a $15 matriculation fee)
2. During the first, second or third class day ................................... 80%
3. During the fourth, fifth or sixth class day .................................... 50%
4. After the sixth class day .............................................................. NONE

First time students receiving federal aid under Title IV of the Higher Education Act of 1965 will be entitled to a refund of the higher of: (1) the refund required by applicable state law; (2) the refund required by the accrediting agency; or (3) the pro rata refund as prescribed by federal law.

Tuition Rebate for Students Graduating with Close to the Minimum Required Credits

In the Spring of 1997, the Texas Legislature passed Senate Bill 1907 which provides a $1,000 rebate of a portion of the undergraduate tuition paid by certain students. These students are those Texas residents who are awarded a baccalaureate degree and have attempted no more than three hours in excess of the minimum number of semester credit hours required to complete the degree, including transfer credit and course credit earned exclusively by examination. The statute contains further detail on who is qualified and directs the Texas Higher Education Coordinating Board to adopt rules for the administration of the rebate. Students who believe they may qualify for this rebate should ask the Registrar’s Office for further information.

Payment of Tuition and Fees

Students are not entitled to enter a class or laboratory until their fees and deposits have been paid. Payment may be made by personal check for the exact amount due, provided the bank transit number is encoded thereon in compliance with revised Federal Reserve Bank regulations. Checks for larger amounts, the difference to be paid in cash to the student, cannot be accepted. All checks must be drawn on U. S. banks in U. S. dollars. When a check is returned to the University, a $25.00 service charge is assessed. If the returned check was for tuition, the student’s registration will be cancelled. In paying fees by check, students should exercise care. Fees may be paid by charging on VISA, Mastercard and Discover accounts.
Section 54.007 of the Texas Education Code authorizes the Board of Regents of The University of Texas System to provide for the payment of tuition and mandatory fees during the fall and spring semesters through the following alternatives:

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

There will be a $12 incidental fee assessed if the installment payment option is used and a $10 late fee. A student who fails to provide full payment of tuition and fees, including late fees assessed, to the University when the payments are due, is subject to one or more of the following actions at the University’s option:

a. Prohibition from registering for classes until full payment is made
b. Withholding of grades, degree and official transcript; and loss of credit for work completed that semester.
c. All penalties and actions authorized by law.

All policies regarding the payment or refunding of tuition, fees and charges are approved by the Board of Regents of The University of Texas System and comply with and are subject to change by applicable state statutes. If a person desires clarification of any matter relating to payment or refund of such charges, or believes special circumstances warrant exceptions to the published policy, the Registrar or the Office of Accounting should be contacted.

All fees are subject to change by the Legislature or Board of Regents without notice.

The Texas Legislature does not set the specific amount for any particular student fee. The student fees assessed below are authorized by state statute; however, the specific fee amounts and the determination to increase fees are made by the University administration and The University of Texas System Board of Regents.

### Summary Descriptions of Required Tuition and Fees
#### for Fall 2003

<table>
<thead>
<tr>
<th>Name of Charge</th>
<th>Classification</th>
<th>Residency</th>
<th>Amount</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition:</td>
<td>Undergraduate</td>
<td>Resident</td>
<td>$86/sch</td>
<td>Set by Legislature (Texas Education Code 54.0512 and 54.0513).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New Mexico</td>
<td>$116/sch</td>
<td>Set by Texas Higher Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>County Not adjacent to Texas</td>
<td>$56/sch</td>
<td>Coordinating Board per Statutory Requirement.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New Mexico</td>
<td>$56/sch</td>
<td>Set by Texas Higher Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>County adjacent to Texas</td>
<td></td>
<td>Coordinating Board per Statutory Requirement.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nonresident</td>
<td>$522/sch</td>
<td>Set by Texas Higher Education</td>
</tr>
<tr>
<td></td>
<td>Graduate</td>
<td>Resident</td>
<td>$108/sch</td>
<td>Governing board may set at twice statutory rates for undergraduate programs.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New Mexico</td>
<td>$330/sch</td>
<td>Set by Texas Higher Education Coordinating Board per Statutory Requirement.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nonresident</td>
<td>$330/sch</td>
<td>Set by Texas Higher Education Coordinating Board per Statutory Requirement.</td>
</tr>
<tr>
<td>Required Fees:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advising Fee</td>
<td>All Students</td>
<td></td>
<td>$10/sem</td>
<td>A non-refundable, compulsory fee to defray costs of student advising.</td>
</tr>
<tr>
<td>Athletic Fee</td>
<td>All Students</td>
<td></td>
<td>$7/sch</td>
<td>A fee to support the intercollegiate athletics program.</td>
</tr>
<tr>
<td>Computer Technology Fee</td>
<td>All Students</td>
<td></td>
<td>$5/sch</td>
<td>A fee for support of student technology needs and applications.</td>
</tr>
<tr>
<td>Library Service Fee</td>
<td>All Students</td>
<td></td>
<td>$3/sch</td>
<td>A compulsory fee to fund an increase in direct services to students including on-line access to academic indexes and electronic library services.</td>
</tr>
<tr>
<td>Matriculation Fee</td>
<td>All Students</td>
<td></td>
<td>$15/sem</td>
<td>A non-refundable fee will be withheld from tuition refunds if a student withdraws before the first day of class.</td>
</tr>
<tr>
<td>Medical Service Fee</td>
<td>All Students</td>
<td></td>
<td>$11/sem</td>
<td>A compulsory fee to provide $5/summer medical services for students at the contact facility with a $10 co-pay.</td>
</tr>
<tr>
<td>Orientation Fee</td>
<td>Freshman/Transfer/$15</td>
<td></td>
<td></td>
<td>A non-refundable, one time, compulsory fee to defray orientation costs.</td>
</tr>
<tr>
<td>Student Services Fee</td>
<td>All Students</td>
<td></td>
<td>$10.50/sch max-$250</td>
<td>A compulsory fee to fund student services and operations and use of facilities and activities; governing board may set at a rate up to the statutory tuition for resident undergraduate students.</td>
</tr>
<tr>
<td>Student Union Fee</td>
<td>All Students</td>
<td></td>
<td>$35/sem</td>
<td>A fee to finance, construct, operate, maintain, and improve the Student Union Building.</td>
</tr>
<tr>
<td>Incidental Fees:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audit Fee</td>
<td>Students desiring to audit</td>
<td></td>
<td>$100/class or $150/class w/lab</td>
<td>To defray costs incurred in scheduling non-credit participants in scheduled classes.</td>
</tr>
<tr>
<td>Credit by Examination</td>
<td>Students desiring credit by exam</td>
<td></td>
<td>$40/class</td>
<td>To defray cost of processing credit by examination.</td>
</tr>
<tr>
<td>Student ID Fee</td>
<td>All Students</td>
<td></td>
<td>$10/student ID</td>
<td>A fee to defray the cost for the student identification card.</td>
</tr>
</tbody>
</table>

UTPB 2003–2005 Undergraduate Catalog 43
<table>
<thead>
<tr>
<th>Fee Type</th>
<th>Eligibility</th>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variety</td>
<td>All Students</td>
<td>Variable</td>
<td>For specific services such as late registration, library fines, microfiling fees, bad check charges, application</td>
</tr>
<tr>
<td>Laboratory Fees:</td>
<td>All Students</td>
<td>Variable</td>
<td>Mandatory charges for certain laboratory courses; may not be less than $5/semester nor more than $30/semester and must not exceed the cost of actual materials and supplies used by a student.</td>
</tr>
<tr>
<td>Supplemental Fees:</td>
<td>All Students</td>
<td>Variable</td>
<td>Charges in addition to regular tuition for students registered in art, architecture, drama, speech, or music where individual coaching or instruction is the usual method of instruction.</td>
</tr>
<tr>
<td>Voluntary Fees:</td>
<td>Students desiring the specific service</td>
<td>All Students</td>
<td>May include such items as parking fees, yearbooks, locker fees, intercollegiate athletics passes.</td>
</tr>
</tbody>
</table>

Add/Drop Fee. To defray costs incurred when a student adds or drops a course or courses, a $5 per transaction fee will be assessed.

Advising Fee. To defray costs of student advising, a charge of $10 per student per semester will be assessed. **THIS IS A NON-REFUNDABLE FEE.**

Athletic Fee. To support the intercollegiate athletics program, a $7 per semester credit hour fee will be assessed.

Audit Fee. To defray administrative costs incurred in scheduling non-credit participants in scheduled classes, a $100 fee for classes without a lab or a $150 fee for classes with a lab will be assessed.

Book Locker Fee. Students using book lockers will be charged a fee of $20 per year, $14 per semester, or $11 for the summer session.

Book Locker Key Replacement Fee. To defray costs of key & lock replacement, a $15 fee will be charged for book locker key replacement.

Computer Printing Services Fee. Students will be assessed $1.00 for each additional page after the first 10 pages to defray the costs of duplicating letter quality documents produced by students served by the Programs Assisting Student Study (PASS) Office.

Credit by Examination Fee. To defray cost of processing credit by examination, a $40 fee will be charged.

Distance Education Fee. $80 or less per semester credit hour.

Duplicate Fee Receipt. To defray costs of printing duplicate copies of fee receipts except for purposes of I.D. cards and parking permit verification, a $1 fee will be charged.

Education Seminar Course Fee. To defray costs of a diagnostic test kit, a $25 fee will be charged.

Education Field-Based Instruction Fee. A $10 per course fee will be charged to recover travel costs in certain field-based educational courses.

Education Internship Fee. Student interns are assessed a $50 fee to cover administrative and travel expenses associated with providing supervision for teaching internships in Education 4692.

Education Internship: Diagnostician Course Fee. To defray costs of a diagnostic test kit, a $25 fee will be charged.

Education Learning Theory and Assessment Course Fee. To defray costs of a diagnostic test kit, a $25 fee will be charged.

Education Practicum: Reading Course Fee. To defray costs of a diagnostic test kit, a $25 fee will be charged.

Education Reading Diagnostic/Remediation Course Fee. To defray costs of diagnostic tests, a $25 fee will be charged.

Education Student Teaching Course Fee. Students enrolled in Student Teaching, Education 4099 and Education 4399, are assessed a $65 fee to defray the costs of providing cooperating teachers for supervision of student teachers.

Fax Fee. A charge of $5 per page will be assessed to defray administrative costs of faxing student documents from the Registrar's Office.
Geology Field Course Fee. A $650 fee will be charged for the GEOL 4600 Field Geology course.

Graduation Fee. A graduation fee of $15 is charged to graduating students at the beginning of the semester they plan to graduate. Students should notify the PASS Office and the Registrar as soon as they know they will not be graduating in the semester for which they applied. The graduation fee is a nonrefundable fee. If the student cancels the graduation application after the 12th class day of the semester (or equivalent date during shorter terms) the fee must be paid again the subsequent term when reapplying for graduation. If the student fails to complete any and all degree requirements by the end of the term in which graduation was planned, the fee must be paid again upon reapplication in a subsequent semester. THIS IS A NONREFUNDABLE FEE.

Health Insurance Fee. International students holding nonimmigrant visas and living in the United States will be assessed a fee to defray costs of mandatory insurance. The rate will be variable to match the premium for the approved U. T. System student insurance plan.

In Absentia Fee. The fee for in absentia registration is $25.00. The fee is assessed to those students who need to register in the University for the purpose of having a degree conferred, but not for courses. No refund is made for the cancellation of an in absentia registration. For more information regarding the in absentia fee, see “Undergraduate and Graduate Degree Requirements.”

Installment Tuition Fees. To cover costs related to providing the installment payment option. The Tuition Handling Fee is $12 per academic term; The Tuition Delinquency Fee is $10 per delinquent payment.

Laboratory Fees. There are a variety of mandatory charges for certain laboratory courses; they may not be less than $5 per semester nor more than $30 per semester and must not exceed the cost of actual materials and supplies used by a student.

Late Registration Fee. Any student who, with proper permission, registers after the scheduled registration in that semester, will be required to pay a special charge of $15 to defray costs associated with keeping registration open after published times.

Library Fees. The following fees are to cover library operational costs associated with the processing, storage and purchase of lost or damaged books or books returned after the due date and with search, copy, and interlibrary loans. To cover library costs for the purchase of equipment, furniture and technology dealing with library resource management and costs of other library operations. THE LATE FEE AND PROCESSING FEE ARE NON-REFUNDABLE.

<table>
<thead>
<tr>
<th>Fee Type</th>
<th>Fee Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printer Cards:</td>
<td>Cards of various denominations. Starting at $1 at a rate of $.05/page.</td>
</tr>
<tr>
<td>Damaged Book:</td>
<td>$7.50 if the book can be repaired. Cost of book plus $15 processing fee if the</td>
</tr>
<tr>
<td></td>
<td>book cannot be repaired. $50 plus $15 processing fee if the book cannot be</td>
</tr>
<tr>
<td></td>
<td>replaced.</td>
</tr>
<tr>
<td>Info Express (Document</td>
<td>$5 per item +.15 per page over 50 pages.</td>
</tr>
<tr>
<td>Delivery)</td>
<td>$10 per item +.25 per page over 25 pages.</td>
</tr>
<tr>
<td>Interlibrary Loan:</td>
<td>$1.50 computer charge plus supplier and handling costs; $5/Rush.</td>
</tr>
<tr>
<td>Library Fax:</td>
<td>$1/ + .20 per page over 3 pages (Domestic)</td>
</tr>
<tr>
<td></td>
<td>$5/ + full cost of all telecommunication and other charges (International).</td>
</tr>
<tr>
<td>Lost Book:</td>
<td>Replacement cost plus $15 processing fee.</td>
</tr>
<tr>
<td></td>
<td>$50 plus $15 processing fee if book volume cannot be replaced.</td>
</tr>
<tr>
<td></td>
<td>$25 per item for materials from the curriculum collection plus $15 processing</td>
</tr>
<tr>
<td></td>
<td>fee.</td>
</tr>
<tr>
<td></td>
<td>$125 per item for reference volumes plus $15 processing fee.</td>
</tr>
<tr>
<td></td>
<td>$100 per microform volume equivalent plus $15 replacement fee.</td>
</tr>
<tr>
<td></td>
<td>The replacement fee will be credited automatically when an overdue item is</td>
</tr>
<tr>
<td></td>
<td>returned in good condition.</td>
</tr>
<tr>
<td>Overdue Charges.</td>
<td></td>
</tr>
<tr>
<td>General Check Out:</td>
<td>$0.25/day/item</td>
</tr>
<tr>
<td>Interlibrary Loan:</td>
<td>$1/day on overdue materials</td>
</tr>
<tr>
<td>Recalled Books:</td>
<td>$1/day</td>
</tr>
<tr>
<td>Reserve Books:</td>
<td>$0.25/hour</td>
</tr>
<tr>
<td>Video, Non-Print Media:</td>
<td>$1/day</td>
</tr>
</tbody>
</table>
Thesis and Book Binding: $7.50 plus any additional costs required for special binding such as pocket part, tipping of maps, etc. to a maximum of $15.

Transparency: $0.50 Black/white, $2/Color

Library Service Fee. A compulsory fee for all students in the amount of $3 per semester credit hour to fund an increase in direct services to students including on-line access to academic indexes and electronic library services.

Matriculation Fee. A fee for all students in the amount of $15 per semester will be withheld from tuition if a student withdraws before the first day of class. THIS IS A NONREFUNDABLE FEE.

Medical Service Fee. A compulsory fee for all students to provide medical services for students at the contract facility with a $10 co-pay.

Fall and Spring Semester: $11.00
Summer Semester: $5.00

Orientation Fee. A compulsory fee for all freshman/$35 and transfer/$15 students, which provides a new student orientation prior to registration. THIS IS A NONREFUNDABLE FEE.

Parking Permit Fees. Students will register their cars in a single payment for the entire school year or the balance of the school year in which they register, whichever is applicable. The school year is September 1 through August 31. The following fees will be charged:

- Passenger vehicles and trucks: $30 per year
- January 1 through August 31: $20
- June 1 through August 31: $10
- Additional Parking Permit Fee: $5
- Two-wheel vehicles (motorcycles, motor scooters, motorbikes): $30 per year
- January 1 through August 31: $20
- June 1 through August 31: $10

Contingent on Board of Regents approval the rates may be increased.

Enforcement Fees

- Parking Violations: $10-$35 for each offense; depending on type of offense
- Moving and non-moving violations: $30-$40/each

Failure to pay an assessed fee within 10 calendar days of receiving the citation will result in a $3.00 late charge.

Placement Services Fee. Students will be charged $20 for the establishment of each placement file and $16 for the second set of 10 copies to defray the costs of compiling, maintaining, and mailing student placement files.

Property Deposit. A $20 property deposit shall be collected from each student. The deposit shall be returned on the withdrawal or graduation of the student who so requests, less any loss, damage, or breakage caused by the student. Any deposit which remains without call for a refund for a period of four years from last attendance shall be forfeited.

Returned checks. A service charge of $25 will be assessed for each returned check.

Student Identification Card. All students will be charged a $10.00 service fee per student identification card as approved by The University of Texas System Board of Regents. This is not a purchase fee. The student I D. Card is the property of U. T. Permian Basin and return may be required upon the student's withdrawal from the University, when it has been put to fraudulent use, or at other times determined appropriate by administrative officers of the University.

Student Services Fee. The Student Services fee is compulsory for all students. The amount charged is $10.50 per semester credit hour. The maximum Student Services fee per semester is $250.00. Students who register for the summer session are charged on the same basis as students registered during the regular academic year. The fee provides funding for extracurricular activities and events designed to augment student life at U. T. Permian Basin and reservation privileges at the gymnasium.
Students registered in absentia are not eligible to participate in student services and programs unless the regular fees are paid. The Student Handbook publishes the available programs, activities and services that the fee provides. This handbook is available at registration or from the Office of Student Life.

Refund of the Student Services fee to students withdrawing is made on the same basis as refund of the registration and tuition fees.

The Board of Regents may set the fee at a rate up to $250/semester for resident undergraduate students.

**Student Union Fee.** To finance, construct, operate, maintain, and improve a Student Union Building, a fee of $35 per student, per semester will be charged.

**Supplemental Fees.** These include a variety of fees charged in addition to regular tuition for students registered in art, architecture, drama, speech, or music where individual coaching or instruction is the usual method of instruction.

**Teacher Certification Credentials Fee.** A $10 fee will be charged to cover the costs of evaluating student credentials for state teacher certification.

**Teacher Certification Deficiency Plan Fee.** A $30 fee per student will be charged to defray the cost of preparation of deficiency plans.

**Test Administration Fee.** To defray administrative costs in the Programs Assisting Student Studies (PASS) Office, a fee of $10 per test will be charged. (This does not include the cost of the test.)

**Cost of tests:**
1. College Level Examination Program Fee ($44)
2. Quick Texas Academic Skills Program (TASP)
   Fee - Non-Students ($10)
3. Scholastic Aptitude Test (SAT) (Institutional Administration) ($30)

**Theatre Appreciation Course Fee.** A $25 per student fee will be assessed to defray the costs of theatre attendance required for students enrolled in DRAM 2301.

**Transcript Fee.** There is a transcript charge of $5 for each University transcript ordered to defray costs of retrieving, duplicating, and mailing transcripts.

**Voluntary Fees.** Variety of fees for students desiring a specific service which may include such items as parking fees, yearbooks, locker fees, and intercollegiate athletics passes.

**Concurrent enrollment.** Section 54.062 of the Texas Education Code provides for the following tuition procedure for students registering concurrently at two Texas public institutions of higher education:

1. The student must register first at the institution with a lower minimum tuition and pay the full tuition charge.
2. Generally only the hourly rate is paid at the second institution. However, if the minimum amount is less at the first institution, then the student must pay the difference in the two minimums to the second institution, but not less than the hourly rate. All other required and optional fees are billed by each institution at its regularly authorized rates.

**Sample of total tuition and fee charges**

*for a semester*  
*Fall 2003*

**Institution: The University of Texas of the Permian Basin**

The table can be used to estimate the full costs of one semester for Texas resident students. For undergraduates, the amounts are shown for 12 and 15 semester credit hours (SCH). For graduate students, the table gives amounts for 3 and 9 SCHs. If a student enrolls for a different number of hours, he or she may use the extra column to calculate those costs using the per semester credit hour charges for tuition and fees that are based on the number of hours of credit (see class schedule for details). Since the table shows only average charges for college and course related fees, a more precise total would have to be calculated by determining the actual fees for the student's school or college and the courses for which the student has enrolled. Necessary information may be obtained from the Office of Accounting, the class schedule and/or UTPB's Home Page on the World Wide Web at <http://www.utpb.edu/> on the tuition and fee tables.
<table>
<thead>
<tr>
<th>Name of Charge</th>
<th>Undergraduate</th>
<th></th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12 sch</td>
<td>15 sch</td>
<td>3 sch</td>
</tr>
<tr>
<td>Resident Tuition (1)</td>
<td>1032.00</td>
<td>1290.00</td>
<td>324.00</td>
</tr>
<tr>
<td>Add: Required Fees</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student Services Fees</td>
<td>126.00</td>
<td>157.50</td>
<td>31.50</td>
</tr>
<tr>
<td>Library Service Fee</td>
<td>36.00</td>
<td>45.00</td>
<td>9.00</td>
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<td>Athletic Fee</td>
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<td>Student Union Fee</td>
<td>35.00</td>
<td>35.00</td>
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<td>Advising Fee</td>
<td>10.00</td>
<td>10.00</td>
<td>10.00</td>
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<tr>
<td>Computer Technology Fee</td>
<td>60.00</td>
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<td>15.00</td>
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<td>Medical Service Fee</td>
<td>11.00</td>
<td>11.00</td>
<td>11.00</td>
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<td>Subtotal - Required Fees</td>
<td>1394.00</td>
<td>1728.50</td>
<td>456.50</td>
</tr>
<tr>
<td>Add: Average for college and course related</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>laboratory, incidental and supplemental fees</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>and/or optional student services fees (3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Charges (4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Tuition plus subtotal-required average for college</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>and course related fees and/or optional student</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>services fees)</td>
<td>1409.00</td>
<td>1743.50</td>
<td>471.50</td>
</tr>
</tbody>
</table>

(1) At the time this catalog is going to print, tuition changes are under consideration by the Texas Legislature and the Board of Regents of The University of Texas System. Thus actual tuition may change.

(2) Required fees, those charged to all students, may be based on semester credit hours or may be per semester.

(3) Averages only are given for college and course related fee charges (laboratory, incidental, supplemental/individual instruction fees) since charges vary according to academic program and courses; actual fees are published in the institutional catalog and/or other publications. A summary description of these fees and the optional student services fees may be found in an attachment, the UTPB catalog and/or on UTPB's Home Page on the World Wide Web at <http://www.utpb.edu/>.

(4) A one time, $20.00 property deposit is charged to all first time students. A one time orientation fee of $35.00 for freshman students and $15.00 for transfer students is charged for providing a new student orientation prior to registration. These amounts are not included in the totals.
Undergraduate Scholastic Requirements

To earn a baccalaureate degree from The University of Texas of the Permian Basin a student must:

1. Complete the total number of semester credit hours established for the chosen degree program. The minimum number is 120 semester credit hours with 54 at the upper level (57 in some programs). The BA in Communication requires only 42 upper level credit hours. The “upper level” refers to junior and senior level courses, or 3000 and 4000 numbered courses, respectively. The “lower level” refers to freshman and sophomore level courses, or 1000 and 2000 numbered courses, respectively.

2. A minimum of 25% of the credits used to meet degree requirements must be completed at U. T. Permian Basin of which at least 6 sch of the minimum must be upper level credits in each of the student’s major fields (more in most curricula). No credit for course work in excess of 30 hours in courses with prefixes of ACCT, FINA, MNGT and MRKT will count toward a degree except for a Bachelor of Business Administration (BBA) degree awarded by the School of Business.

3. Complete at least 24 semester credit hours in the major (more in most curricula), at least 18 of which must be upper level; at least six credits in the major must be taken at U. T. Permian Basin. Twenty-four of the last 30 semester credit hours earned toward the degree must be in residence.

4. Have earned all transfer credits at a regionally accredited college or university. Up to 15 semester credit hours of correspondence study normally will be accepted from accredited colleges or universities if appropriate to the curriculum. Only by petition to the Dean and on written approval of such a petition by the Dean may additional credits be considered for evaluation and acceptance. The School of Business accepts no advanced business credit by correspondence or from non-accredited institutions; however, if an accredited college or university has awarded credit for such study, U. T. Permian Basin will accept those credits on the same basis as coursework completed at that institution.

5. The student must have a “C” average or better and no “F” grades in any credits required for the degree. Grades of “D” are subject to the following restrictions:
   a) A course in the student’s major will not be counted unless the grade is “C” or higher.
   b) A course taken at UTPB in which a grade of “D” is assigned will be accepted as a non-major elective or towards general education or minor requirements only if offset with sufficiently many grades of “A” or “B” in respective non-major elective, Gen-Ed, or minor courses to provide a “C” average or better.
   c) Credit for transfer courses to UTPB, in which the grade is “D,” will be accepted for non-major elective credit, but will not be accepted towards General Education requirements, towards a minor, or towards a major.

These guidelines refer only to programs in the College of Arts and Sciences. The Schools of Business and Education may adopt distinct policies. Each discipline within Arts and Sciences may supplement these rules with extra guidelines relevant to their major and minor.

6. Complete the University's General Education Requirements. See page 51-52 for more details on General Education Requirements.

7. Complete 6 semester credit hours in American government (including Texas constitution) and 6 credit hours in American history.

8. Complete a minor of at least 18 semester credit hours, 9 of which must be at the upper level, in one field or closely related fields (as in a “multidisciplinary” or “distributed” minor). A minor will be granted only if it is offered by U. T. Permian Basin. The following programs do not require completion of a minor:
   a. Bachelor of Business Administration:
      1. Accountancy
      2. Finance
      3. Management
      4. Marketing
   b. Bachelor of Arts:
      1. Humanities
      2. Multidisciplinary Studies
      3. Art (the all level teaching certification program only)
   c. Bachelor of Fine Arts
d. Bachelor of Science in Environmental Science
  e. Second bachelor's degree
  f. Double majors

9. Complete college, departmental and school requirements as appropriate.

10. Initiate a degree check with the Registrar's Office during the first 12 class days of the semester of expected graduation. Students are strongly encouraged to submit a preliminary degree check the semester prior to the semester they expect to graduate. Degree check forms are available in department offices and the Office of the Registrar.

Appropriate Catalog

Students may obtain a degree according to the course requirements of the catalog in effect at the time of admission to the University (so long as the courses required for the degree are still offered by the University) or of the course requirements of a later catalog in effect during the period of enrollment. This option shall be available for a six year period dating from the time of the initial admission of the student to the University. If a student drops out for two or more semesters and returns to U. T. Permian Basin as a former student, he or she must choose to use the catalog in effect at the time of re-entrance, thereby beginning a new six year time limit. This regulation applies to degree requirements, but not to operating regulations, procedures, and fees.

A student who transfers to U. T. Permian Basin from a Texas public community college may select to graduate according to the degree requirements of the catalog in effect at the time of admission to the community college or of a catalog in effect during the period of enrollment at the community college or the catalog in effect when the students entered U. T. Permian Basin. If the student drops out of the community college for two or more long semesters, the catalog requirements in effect at the time of readmission to the community college would be the earliest catalog the student could select to follow.
General Education Requirements

The general education requirements are intended to strengthen the students' basic intellectual competencies (reading, writing, speaking, and critical and analytical thinking) and to establish multiple perspectives on the individual and the world in which the student lives. The core curriculum experience will prepare students to learn effectively through the rest of their college years and to carry this aptitude for learning into their life careers. The general education requirements will help ensure that the graduates are intellectually flexible and articulate and have the capacity to become creative citizens of the state and nation.

The General Education Requirements consist of 44 semester credit hours in the following ten categories:

- Composition/Written Communication: 6 credits
- History (United States): 6 credits
- Literature: 3 credits
- Mathematics (College Algebra or above): 3 credits
- Mathematics (computing, logic, statistics, math above college algebra): 3 credits
- Physical and Biological Sciences (any two courses with labs): 8 credits
- Political Science (U.S., State and Local Gov't.): 6 credits
- Visual and Performing Arts: 3 credits
- Oral Communication (Speech): 3 credits
- Social Science: 3 credits

TOTAL HOURS REQUIRED 44 credits

This table shows the U. T. Permian Basin courses which meet each of ten General Education Requirements. It also shows the course numbers in the Texas Common Course Numbering System (TCCNS) which meet the requirements. The TCCNS is a statewide system for determining equivalency of courses at differing institutions.

Some majors specify which courses their students should take to meet the General Education Requirements. Students should refer to major requirements listed in this catalog before selecting General Education courses.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>SCH</th>
<th>Course Number UTPB Courses</th>
<th>Level</th>
<th>Transferability-alternative ways of meeting requirements with TCCN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition and Written Communication</td>
<td>6</td>
<td>ENGL 1301, ENGL 1302</td>
<td>Lower</td>
<td>ENGL 1301, ENGL 1302</td>
</tr>
<tr>
<td>History (US History)</td>
<td>6</td>
<td>HIST 1301, HIST 1302</td>
<td>Lower</td>
<td>HIST 1301, HIST 1302 or 2301</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 3351, 3353, 3355, 3371, 4341, 4342, 4343, 4351, 4352, 4353, 4354, 4355, 4356, 4358, 4361, 4362, 4368, 4373, 4375, 4376, 4379</td>
<td>Upper</td>
<td></td>
</tr>
<tr>
<td>Literature</td>
<td>3</td>
<td>ENGL 2322, 2323, 2327, 2328</td>
<td>Lower</td>
<td>ENGL 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333</td>
</tr>
<tr>
<td>Mathematics (College Algebra)</td>
<td>3</td>
<td>MATH 1324, 1325, 1332, 1333, 2412, 2413, 2414, 2415</td>
<td>Lower</td>
<td>MATH 1314, 1324, 1325, 1332, 1333, 2412, 2413, 2414, 2415</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 3301</td>
<td>Upper</td>
<td></td>
</tr>
<tr>
<td>Mathematics: Computing, logic, Statistics, Math</td>
<td>3</td>
<td>MATH 1324, 1325, 1333, 2412, 2413, 2414, 2415</td>
<td>Lower</td>
<td>MATH 1316, 1321, 1324, 1325, 1333, 1342, 1348, 1442, 2312, 2313, 2314, 2315, 2318, 2320, 2412, 2413, 2414, 2415, 2417</td>
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<tr>
<td></td>
<td></td>
<td>COSC 1335</td>
<td></td>
<td>PSYC 2303</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHIL 2303</td>
<td></td>
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</tr>
</tbody>
</table>

UTPB 2003–2005 Undergraduate Catalog 51
SOCT 3317  
MATH 3301  
PSYC 3301  

Physical & Life Science 8  
Biol 1306/1106,1107  
Chem 1301/1103(L),  
1331/1133(L), 1332/1134  
Geol 1401, 1402  
Phys 2425, 2426, 1401, 1402  
Ensc 1401, 1402  

Political Science (US & 6  
Texas Government)  
Plsc 2301, 2302, 4312  

Visual & Performing Arts 3  
Art 1301, 1311, 1316,  
1320, 2310, 2331, 2340, 2341  
Dram 2301  
Musi 1306  
Arts 3300, 3303, 3311, 3340  
Dram 3360  

Oral Communication 3  
Comm 1315, 1316, 2310,  
Comm 3355  

Social Science 3  
Crim 2336  
Econ 2301, 2302  
Geg 1302  
Comm 2301  
Psyc 1301  
Soci 1301, 1306  

Biol 1306/1106(L), 1307/  
1107(L), 1406, 1407, 1408,  
1409, 1413, 2401, 2402  
Chem 1311/1111(L),  
1312/1112(L), 1411, 1412  
Geol 1403, 1404  
Phys 1401, 1402, 1411, 1412,  
2425, 2426  
Govt 2301, 2302  
Arts 1301, 1303, 1304, 1311  
Dram 1310, 1351, 2361  
Musi 1306, 1311, 1370, 1371  
Arts 3300, 3303, 3311, 3340  
Dram 3360  
Spc 1311, 1315, 1321  
Comm 3355  
Anth 2301, 2302  
Crij 1301, 1307  
Econ 2301, 2302  
Psys 2301  
Soci 1301, 1306  

Total 44

Texas Common Core Curriculum

The Texas Higher Education Coordinating Board has developed the Texas Common Core Curriculum. This 42 semester credit hour curriculum transfers freely from one Texas public institution of higher education to another. The U. T. Permian Basin general education requirements meet the Texas Common Core Curriculum requirements.

Students transferring to U. T. Permian Basin who have completed a 42 semester credit hour core at a Texas public college or university will receive a minimum of 42 semester credits for the core as transfer credits and will have met the University’s general education requirements. In cases where the general education core being transferred to U. T. Permian Basin consists of 42 or 43 credits, the student may be required to take additional credits to meet the 44 credit requirement. Students should consult their advisors as to what might be required.

Students transferring to U. T. Permian Basin who have completed fewer than 42 semester credits from core courses at a Texas public college or university will receive credit toward the University’s general education requirements for the credits taken. The student should consult with her/his advisor as to which elements of the general education requirements remain to be completed.

Business Field of Study

The Texas Higher Education Coordinating Board has approved the Field of Study Curriculum for Business. The following Texas Common Course Numbering System (TCCNS) courses are fully transferable to The University of Texas of the Permian Basin to meet the Field of Study Requirements for Business: Econ 2301 and Econ 2302, Math 1325, Cosc (Bcis) 1305 or 1405, SPC 1311 (with appropriate content only), SPC 1315 or SPC 1321 (preferred) and ACCT 2301 or ACCT 2401 and ACCT 2302 or ACCT 2402 only. The Math and SPC classes also meet General Education requirements.
Academic Regulations

Class Attendance

Class attendance is required for those students taking developmental coursework (classes numbered 0398 and 0399), students receiving veterans' benefits, and students receiving federal Title IV financial aid. In addition, some disciplines have class attendance requirements. Students should consult with individual instructors concerning class attendance requirements.

Religious Holidays

U. T. Permian Basin shall allow a student who is absent from classes for the observance of a religious holy day to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence if, not later than the 15th class day after the first day of the semester, the student notifies the instructor of each class the student has scheduled on that religious date that the student would be absent for a religious holy day. The notification referred to above shall be in writing and the student shall deliver it personally to the instructor of each class, with receipt of the notification acknowledged and dated by the instructor or by certified mail, return receipt requested, addressed to the instructor of each class. Although a student who is excused under this policy may not be penalized for the absence, the instructor may appropriately respond if the student fails to satisfactorily complete the assignment or examination.

Course Load

Each semester credit hour at U. T. Permian Basin represents a commitment on an average of three hours of "out of class" preparation and one hour of class attendance (or its equivalent) per week. For example, enrolling in a three semester credit hour class commits the student to a total of twelve hours of work per week. Students who are employed or who have family responsibilities are especially encouraged to bear this commitment in mind and to seek guidance from their academic advisors in determining a suitable academic schedule.

For undergraduate students without substantial family or work responsibilities, the normal course load during the fall and spring semesters is 15 semester credit hours. Students making satisfactory academic progress may take 18 semester credit hours without permission of the Dean; more than this requires permission of the Dean. Only in rare cases will students be permitted to enroll for more than 21 semester credit hours in a Fall or Spring semester and then only with the written approval of their Dean.

Maximum class load during the summer sessions is 12 semester credits.

The foregoing applies to conventionally taught courses. In courses offered on a self-paced instruction basis, additional credits may be taken, particularly when courses are involved for which a portion of the work has already been completed at the time of registration. This is subject to approval by the student's academic advisor and the Dean.

All international students must enroll as full-time students during the fall and spring semesters (12 semester credit hours minimum for undergraduates and 9 semester credit hours minimum for graduates). The student is not required to enroll in any courses during the summer terms. The international student may not drop or withdraw from courses at any time if such action would result in less than a full-time course load in the fall and spring semesters.

Government and History. Texas law requires that all students who receive a bachelor's degree from a state-supported public institution must earn 6 semester credit hours in American government, including federal and Texas constitutions, and 6 semester credit hours of American history (3 semester credit hours in the history of Texas may be substituted for 3 semester credit hours of American history).

Writing and Conversation. Every student pursuing a bachelor's degree should be able to write the English language and to hold a conversation with another person in English.

Lifetime Sports. Every student is encouraged to enroll in lifetime sports. A maximum of four credits may be applied as electives toward requirements for a bachelor's degree. Some programs have additional limitations on the use of lifetime sports credit. Please see major requirements for details.

In Absentia Registration. A candidate for a degree who has completed all the courses and other requirements for graduation and who must register in the University for the purpose of having a degree conferred, must register in absentia. This is the only purpose for which a student may register in absentia. See the Registration section, page 37, for additional information concerning in absentia registration. One diploma is issued for each degree.
Concurrent Second Bachelor’s Degree 150 SCH minimum

A student desiring to complete two bachelor’s degrees concurrently (showing both major degrees on the transcript and receiving two diplomas) must complete all requirements of each degree program including a minimum of 30 semester credit hours more than required in one of the degree programs. For example, the minimum is 120 semester credit hours to graduate with a bachelor’s degree in one field, the student will need 150 semester credit hours to graduate with two bachelor’s degrees (i.e., 120 semester credit hours for the first and 30 more semester credit hours for the second). One diploma is issued for each degree.

Second Bachelor’s Degree 30 SCH minimum

A student already holding a bachelor’s degree from U. T. Permian Basin or another accredited institution and seeking to earn a second bachelor’s degree from U. T. Permian Basin must complete a minimum 30 semester credit hours from U. T. Permian Basin of which at least six semester credit hours must be upper level credits in the student’s major field. The student must fulfill all the requirements of the major including prerequisites even if the number of semester credit hours exceeds 30. Furthermore, the student must also complete 6 semester credit hours in American government (including Texas constitution) and 6 credits in American history. These hours will be included in the 30 semester credit hours if they are earned at U. T. Permian Basin.

Double Major 120 SCH minimum

Students electing to major in two fields must meet the specified requirements for each major and no one course can be counted in the semester hours credit in more than one major. In certain cases this may require completion of additional coursework. In addition, each college or school must certify that the student has satisfied all major, as well as college or school requirements. No minor is required when completing two majors. Only one degree will be shown on the diploma and only one diploma will be issued. Both majors will appear on the transcript.

Graduation with Honors

Recipients of first baccalaureate degrees who have completed a minimum of 48 semester credit hours at U. T. Permian Basin may be eligible to graduate with Latin honors. Honors will be awarded based upon the following GPA (grade point average) scale:

<table>
<thead>
<tr>
<th>GPA</th>
<th>Latin Honor</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.50-3.79</td>
<td>Cum Laude</td>
</tr>
<tr>
<td>3.80-3.89</td>
<td>Magna Cum Laude</td>
</tr>
<tr>
<td>3.90-4.00</td>
<td>Summa Cum Laude</td>
</tr>
</tbody>
</table>

Honor Rolls

Each semester students who have exhibited outstanding academic achievement will be honored. Students who have a semester grade point average (GPA) of 3.50 to 3.99 will be listed on the Dean’s Honor Roll. Those students who have achieved a semester grade point average of 4.00 will be included on the President’s Honor Roll. This honor will be publicized and noted on the student’s academic transcript.

In addition to the grade point average requirement, candidates for the Dean’s Honor Roll and the President’s Honor Roll must meet the following criteria: (1) they must be seeking a first bachelor’s degree only; and (2) they must have earned a minimum of 12 semester credit hours at U. T. Permian Basin.

The last 12 semester credit hours of work for part-time students, is the basis for calculating the GPA for the Dean’s and President’s honor roll. If the last cumulative 12 semester credit hours must include a previous semester, all courses from the previous semester will be used in the calculation.

Self-Paced Instruction (SPI)

Self-paced instruction (SPI) is often referred to as personalized instruction in master learning. Self-paced courses are designed to permit students to complete courses as rapidly as they are capable, or to take more time if needed to master them. SPI usually requires no formal class meetings, although in many courses the instructor meets once a week with a group of students desiring additional interaction or discussion. Most student-instructor contact in SPI is on an individual basis. Students enrolled in SPI courses are expected to interact with the professor either individually or in a group situation at least once each week or as often as a given course requires.

Self-paced courses are offered in many fields or degree programs. Students in SPI courses are provided with a course outline including instructions for study, activities to complete, sources of information and other necessary instructions. Students may visit the instructor as often as needed to discuss and clarify the course material and to answer questions. When students believe they have mastered a unit within a SPI course, they may take the appropriate test. If students pass at the prescribed level, they proceed to the next unit. In some courses, if students do not pass the unit, they may restudy it until they pass the
test. Each unit must be passed in sequential order, so when all units and tests are successfully completed, students should have mastered the course material.

Since students may not need to attend class in SPI courses, they may begin such courses at any time up to four weeks prior to the end of the semester. Established deadlines for adding or dropping courses published in the course schedule refer to courses taught only on a conventional basis and not to courses taught on an SPI basis. SPI courses may not be dropped during final examination week. Although students have the option of continuing an SPI course into a succeeding semester, they are encouraged to complete it during the same semester for which they register. Students who do not complete the course in one semester’s time may receive a grade of Z (satisfactory work in progress) and must reregister during a subsequent semester when the course is offered and pay tuition for the course if completion is desired.

Partially self-paced courses are administered on the same basis as regular courses. The registration, drop/add, withdrawal, course completion and grading for partially self-paced courses are administered as all other conventional classes.

**Independent Study**

Several types of independent study are available at U. T. Permian Basin. These are referred to as Contract Study Courses, which include readings, special problems, selected topics, library research and certain other learning activities. Before students may register for these courses, plans for the proposed study showing the objectives, procedures to be used for evaluation, and other plans must be written and approved by the appropriate instructor and by the Dean or Department Chair.

Contract studies are not intended to substitute, by content, for courses listed in the catalog.

**Experiential Learning**

Unless they have had appropriate work experience, candidates for the bachelor’s degree are encouraged to complete a planned program of experiential learning. Experiential learning, referred to in various departments as “Authentic Involvement” or “Practicum,” normally occurs during the senior year, usually in the final semester, and provides students an opportunity to apply their academic learning in a work environment under the supervision of a faculty member and the direction a supervisor in the work situation. Experiential learning requires a preplanned and written program of the experiences for the student and a procedure for evaluating these experiences. Typically, students enroll in experiential learning for 2-3 semester credit hours, which requires 5-10 hours of work per week for one semester or the equivalent.

**Drops, Adds and Withdrawal**

Dropping courses should not be confused with withdrawing from all courses. In courses taught on a conventional basis, a student may drop the course any time up to the last day of the 10th week of classes. Students should consult the academic calendar for the last day to drop. All freshman and business majors must have the permission of their academic advisor to drop or add a course. All other students may drop courses without permission of the instructor during the first ten class days in the fall and spring semesters (four class days in summer). Students must obtain the signature of the instructor whose course they are dropping if they drop the course between the 10th class day (4th class day in summer) and the last day to drop classes as given on the academic calendar for each fall and spring semester.

Once a student has registered and paid tuition and fees for a course section, the student is considered enrolled in that class until the student officially drops the class at the Registrar’s Office. Enrollment is not complete until all tuition and fees have been paid. Students will not be admitted to classes for which tuition and fees have not been paid. The student must submit all requests to drop a course in writing to the Registrar’s Office. Faculty, relatives, or friends may not drop or add courses for a student. Add/drop forms must be completed at the Registrar’s Office prior to the end of the last day to drop. The student should note the academic calendar for the last date to drop. Failure to drop a class which is not being attended will result in a failing grade on the academic record. Students may withdraw from all classes after the last date to drop with permission of their Dean or Department Chair. For refund dates, the student should note the Refund Policy in the section on Tuition, Fees, and Deposits in this catalog.

Students enrolling late in a course should not expect special make-up assistance from the instructor.

In the case of courses taught on a self-paced instruction (SPI) basis, students are encouraged to enroll as early as possible. However, courses taught on a SPI basis may be added up to four weeks prior to the end of the fall or spring semesters. An equivalent date will be established for the summer term as announced in the summer class schedule. After the late registration period, SPI courses may be added only with the permission of the instructor and the Dean of the school or college in which the course is taught. Students not completing an SPI course by the end of the semester must reregister and pay all applicable fees to continue the course in the next semester in which it is offered. Students may drop an SPI course at any time up to the last date to drop, as shown in the academic calendar.

Withdrawing from the University should not be confused with dropping a course(s) while remaining enrolled in others. Students desiring to drop every course in which they are enrolled are considered to be withdrawing. Students should secure
a withdrawal petition from the Registrar’s Office, complete it and obtain the signature of the Business Office, the Library, Security, and the Student Financial Aid Office. In cases of illness, students may have someone notify the Registrar who will arrange for withdrawal.

A completed withdrawal form must be submitted to the Registrar’s Office prior to the final date to withdraw. A withdrawal requested after the last date to withdraw must have the permission of the Advising Dean and Department Chair on an Academic Petition Form. Failure to withdraw from a class which the student has never attended or has stopped attending will result in a failing grade on the academic record. A withdrawal request becomes effective the date the completed and signed form is received from the student by the Registrar’s Office. Students who have withdrawn from the University need not apply for readmission unless they have been absent from the University for more than two semesters. See “Admissions section” in this catalog, pages 13-21.

Grading Policies

Grades at U. T. Permian Basin distinguish between levels of student achievement. They represent, in abbreviated form, the instructor’s judgment of the student’s academic performance. In addition, they provide a basis for certifying completion of all degree requirements. They may serve as predictors of future performance in graduate and professional study.

The grades approved for use at UT Permian Basin are as follows:

- A = Superior achievement
- B = High achievement
- C = Average achievement
- D = Minimal achievement
- F = Failure to achieve
  - minimal standard
- + = High grade
- - = Low grade
- S = Satisfactory
- U = Unsatisfactory
- I = Incomplete
- Z = Acceptable progress (SPI only)
- PR = Work in Progress (masters thesis/project)
- W = Dropped class or withdrawal from the University

Only grades of A, B, C, D, U and F are included in computing grade point average (GPA): A = 4; B = 3; C = 2; D = 1; F = 0. Pluses and minuses are awarded at the instructor’s discretion but are not computed in GPA. The grades of I, W, S, Z, and PR are not computed in GPA. The grade of U is calculated as an F grade.

Grades of Q, PQ, and QF were used to denote courses dropped, dropped/passing, and dropped/failing from 1973 through summer semester 1985. The grades of Q and QP were not computed in the GPA. The grade of QF calculated as an F grade.

A grade of I (for conventional, independent study and partially self paced courses) or Z (for self paced courses) is reported when students have not met all requirements of a course by the end of the semester and the instructor considers the allowance of additional time to complete course requirements justified. When reporting an I grade, the instructor must complete an 'Incomplete Report' specifying: (1) the deficiency or the additional work to be done; (2) the length of time allowed to complete the work (no later than the last class day of the subsequent semester, summer excluded); and (3) the grade that would have been earned “as is” at the time the course ended. A student who registers for a class and then fails to attend any class meetings or take any test, and who neither withdraws nor formally drops the course, will be assigned the grade of F.

Any course in the fall and spring semesters dropped after the 12th day of the student’s enrollment in the course requires the instructor’s signature on the drop form. A grade of W will be assigned for the final grade in fall and spring semester courses dropped after the 12th class day (4th class day in the summer).

Although the effect of the grade can be removed by repeating the course, the initial grade will not be removed from the transcript. This applies to F, or any other low grade. The F will remain permanently on the transcript. Under this policy, only the most recent grade will count in calculating the GPA, not the highest of two or more grades in the same course.

In self-paced instruction courses (SPI) in which a student makes satisfactory progress, but does not complete all requirements by the end of the semester in which registered, the instructor may report a Z grade. Students desiring to complete the course must reregister in the semester when the course is next offered and complete all remaining requirements for the course during the semester. The grade of F may be awarded for failure to achieve minimal standards in self-paced courses.

While the Z grade carries no penalty, a high number may reflect poor schedule management. Z grades remain part of the permanent student transcript.

The grades of S and U are final grades used for student teaching, certain seminars, courses for demonstration of proficiency in writing and conversation, certain non-degree courses, and in a limited number of other courses which, upon petition, may be approved by the Dean; otherwise, normal grading procedures apply.

The intent of the faculty and administration at U. T. Permian Basin is to ensure that every student receives fair treatment in the academic process.
The student grade report is a record of all course work for the semester taken at U. T. Permian Basin. Grade reports are mailed approximately two weeks after the close of the fall and spring semesters and the summer terms.

The grades S, Z, I, PR and W will not be included in the determination of probation but students should avoid accumulating grades of I, Z or W, as they become a permanent part of the grade report.

**Repeat Policy**

All courses taken at U. T. Permian Basin, whether passed or failed, remain a permanent part of the student’s record. If a course is repeated, the last grade earned, not necessarily the highest grade, will be the grade used to compute the cumulative grade point average (GPA) for all purposes. Repeated courses will be counted only once for credit. Repeatable courses are different from repeating a course.

**Academic Petition**

An academic petition is used (1) to gain approval for an exception to any scholastic regulation or (2) to document an official interpretation of an academic regulation. Forms for petitions are available at department, school and college office. Normally, the student’s advisor signature and other faculty signatures as appropriate are required before the dean of the student’s major field will approve or disapprove a petition. Petitions regarding teacher certification requirements require the signature of the Dean of Education in addition to the student’s major dean signature. The dean(s) decision is the final step in the petition process.

**Student Academic Appeal Procedures**

In attempting to resolve any student grievance regarding grades or evaluations, it is the obligation of the student first to make a serious effort to resolve the matter with the faculty member with whom the grievance originated. Individual faculty members retain primary responsibility for assigning grades and evaluations. The faculty member’s judgment is final unless compelling evidence shows discrimination, differential treatment, or factual mistake. If evidence warrants appeal, the student may pursue the matter further by directing a letter to the Dean. The letter should state the problem; state why the student concludes fair treatment was not received and provide a description of any evidence that would substantiate the claim. The President’s Office shall constitute the final step in the appeal process. Refer to the Handbook of Operating Procedures, part five, section 2. A copy of the Handbook may be found in the Dunagan Library or can be accessed on the web on the U. T. Permian Basin homepage under Administration, Operating Procedures. (http://www.utpb.edu)

**Satisfactory Scholastic Progress**

Students are considered to be making satisfactory scholastic progress when they are carrying an approved schedule of classes, are not on probation, are not failing a course, and have a grade point average (GPA) of at least 2.0 or C in both the current semester and in their overall average to date. Students receiving financial aid should refer to “satisfactory academic progress” in the Financial Aid section of the catalog for information specific to academic progress requirements for financial aid students, page 24.

**Probation and Dismissal**

Students with 12 or more semester credit hours and a cumulative grade point average (GPA) of less than 2.0 and/or the equivalent of one semester of full-time enrollment with a resulting semester GPA below 2.0 (C) will be placed on academic probation. In cases of extenuating circumstances, students may appeal their probation to the Vice President for Student Services.

Students on academic probation will have two enrolled semesters or 12 semester credit hours (whichever occurs first) to raise their GPA to 2.0; a full summer semester will be treated as a regular fall/spring semester. Failure to raise the GPA to 2.0 after two semesters on academic probation will result in dismissal from the University. In cases of extenuating circumstances, students may appeal their dismissal to the Vice President for Student Services.

The first academic dismissal is for one semester not including summer sessions. A second academic dismissal is for 12 months. A third academic dismissal is for 36 months. To be readmitted after a dismissal, students must address a letter to the Vice President for Student Services presenting evidence that they are likely to succeed in an academic program. Readmission must be approved by the Vice President for Student Services. Students readmitted after dismissal will be on academic probation for the initial semester.

Students admitted to the University on a conditional basis are considered to be on academic probation until they have successfully completed at least 12 credit hours with a GPA of 2.00 or better. After this, the student will be removed from probation. Students not obtaining a GPA of 2.00 or better, after 12 semester credits attempted, will be dismissed from the University under the same restriction as other academic dismissals.
College of Arts and Sciences

Dr. James N. Olson, Dean
For Information Contact (432) 552-2220 or go by MB 358

Department of Behavioral Sciences
For Information Contact (432) 552-2325 or go by MB 379

Department of Humanities & Fine Arts
For Information Contact (432) 552-2280 or go by MB 403

Department of Science & Mathematics
For Information Contact (432) 552-2230 or go by MB 263

General Overview

The College of Arts and Sciences was formed in 1994 by combining the departments of Behavioral Sciences, Humanities and Fine Arts and Science and Mathematics. All three of the College's academic departments have roots which can be traced to the beginning of the institution. From these roots the College has grown to over 103 full- and part-time faculty with 21 programs offering the Bachelor of Arts, Bachelor of Fine Arts, or the Bachelor of Science degrees and seven programs offering the Master of Arts or Master of Science degrees.

The primary mission of the College is to interweave the arts and sciences with professional education that provides the student with the freedom to realize one's potential as an independent person with critical thinking, openness, adaptability, tolerance, integrity and a capacity for life-long learning. Central to this task is a general education curriculum that requires study in a broad array of disciplines designed to provide breadth and diversity of knowledge and skills. In addition, the College addresses the needs of those students who desire intensive study in a major discipline in the arts and sciences. To make the most of a liberal arts education, these students move beyond the breadth of general education to mastering a major discipline in considerable depth.

The faculty of the College shares a commitment to the advancement and dissemination of knowledge through excellence in teaching, scholarship and creative activities. The College is proud of its seven master's level research and applied programs that are designed to afford students the opportunity for advanced academic and health related work, careers in teaching, laboratory and naturalistic research, creative and professional endeavors and other areas of scholarly or public service. See The University of Texas of the Permian Basin's Graduate Studies Catalog for more details.

Department of Behavioral Science

Child & Family Studies: BA
Criminology: BA
Criminal Justice Online: BS
Criminal Justice Admin.: MS
Geography: selected courses
Kinesiology: BS and MS
Multidisciplinary Studies: BA
Political Science: BA
Psychology: BA and MA
Social Work: BSW
Sociology: BA

Department of Humanities and Fine Arts

Art: BA and BFA
Communication: BA
English: BA and MA
History: BA and MA
Humanities: BA
Leadership Studies: BA
Music: selected courses
Philosophy: selected courses
Spanish: BA
Drama: selected courses

Department of Science and Mathematics

Biology: BS and MS
Chemistry: BS
Computer Science: BS
Earth Science: BS
Environmental Science: BS
Geology: BS and MS
Information Systems: BS
Mathematics: BS
Physics: selected courses
James N. Olson, PhD  
Dean of the College of Arts and Sciences  
Professor of Psychology

Stress reduction, drugs and crime, residential burglary, and a variety of clinical problems have been the subject of Dr. Olson’s teaching, research, and community service during his career at UTPB. He was instrumental in the development of the Center for Behavioral Analysis, which provides student clinical experiences and helps to meet the need for assistance in the University and the community. He has received a grant from the U.S. Dept. of Justice for his research, and is published in the Journal of Biological Psychology, Journal of Crime and Criminology, and The Behavior Analyst.

Undergraduate Major Disciplines

The College of Arts and Sciences offers the Bachelor of Arts (BA) degree in the following disciplines: Art, Child and Family Studies, Communication, Criminology, English, History, Humanities, Leadership Studies, Multidisciplinary Studies, Political Science, Psychology, Sociology, and Spanish. The College offers the Bachelor of Science (BS) degree in the following disciplines: Biology, Chemistry, Computer Science, Earth Science, Environmental Sciences, Geology, Kinesiology and Mathematics. The Bachelor of Fine Arts is offered in Art. The Bachelor of Social Work (BSW) in Social Work will be offered beginning Fall 2004.

Also included in Biology and Chemistry is the Pre-professional Health Curriculum for students planning to enter medical, dental, optometry, pharmacy or veterinary schools. Students planning careers in these and other allied health fields are referred to the sections on pre-professional health programs on page 222 in this catalog, and to faculty in Biology and Chemistry for advising. In addition to the University’s minimum general education core requirements for the BA and BS degrees, students must complete the specific major discipline’s degree requirements. The specific additional requirements for these disciplines and various options may be found in the academic discipline sections of this catalog. See also the sections on Occupational Therapy, (page 213) Physical Therapy (page 214) and Physician Assistant Studies (page 215) in this catalog.

For the BA, BFA, and BS degrees, a minimum of 120 semester credit hours is required, of which at least 54 hours must be taken at the upper division (junior and senior) level. Depending on the major, at least 18-30 credit hours must be taken within the major at the upper level. Individual disciplines may set additional and more specific requirements for their respective degrees. This information can be found in the academic discipline sections of this catalog. Enrollment in upper level courses in the major is permitted only after the student has completed all lower-division (freshman and sophomore) prerequisites in the major.

Minor

Students majoring in a discipline within the College must complete a minor with the exception of those seeking: the double major; the BA in Humanities; BA in Multidisciplinary Studies; BS in Environmental Science; the BA in Art (the all level teaching certification program only) and the BFA in Art. A minor consists of a minimum of 18 credit hours, at least nine of which must be upper division. Each discipline specifies the requirements for the minor and there are interdisciplinary minors in Leadership Studies, Bilingual/ESL, Multicultural Studies, Special Populations and Women’s Studies. In addition, although a student may not major in non-degree programs such as Fine Arts, Geography and Drama, students may minor in these fields. The specific requirements for these minors may be found in the academic discipline sections of this catalog.

Advising

When a student selects a major upon admission to the College of Arts and Sciences, a faculty advisor in the major field is assigned to the student by the Arts and Sciences Academic Advising Office. The student receives this information in a letter and it is then the student’s responsibility to contact the major advisor to schedule a meeting. At that meeting, the major advisor will complete a degree plan. This degree plan will detail the courses a student will need to complete in order to earn a degree. The plan includes a list of the General Education required courses and the courses required by the major. The major advisor will also discuss the student’s minor and will list the courses required for the minor on the degree plan.

Students should meet their faculty advisors once during each semester. At that meeting the advisor will update the student’s degree plan and discuss the courses the student should take during the subsequent semester. In this way, the student can complete his or her degree in a timely and efficient manner.
A student who enters the University and decides to defer declaring a major will be advised by the Arts and Sciences Academic Advising Office. Once the student declares a major, the Arts and Sciences Academic Advising Office will assign an advisor in that major field.

Prospective high school and community college students are encouraged to contact the Arts and Sciences Academic Advising Office for assistance in planning high school and lower division transfer programs or to learn more information about specific major programs and career opportunities.

**Teacher Certification and TExES/ExCET Requirements**

Students who seek teaching certification are subject to additional course requirements and procedures that are described in the School of Education section of this catalog. The Teacher Certification Officer in the School of Education should be consulted for the purpose of generating a separate teacher certification plan.

**Graduate Programs**

At the graduate level, master’s degrees are offered in 8 Arts & Science fields. The Master of Arts (MA) degree is offered in English, History and Psychology; and the Master of Science (MS) is offered in Biology, Criminal Justice Administration, Geology and Kinesiology. The specific admissions and course requirements for these Master’s Degrees may be found in The University of Texas of the Permian Basin’s Graduate Studies Catalog.
School of Business

Dr. Geralyn McClure Franklin - Dean
Dr. William Jackson - Assistant Dean
Dr. Barbara Scofield - Coordinator of Graduate Business Studies
and Associate Professor of Accountancy
For Information Contact (432) 552-2170 or go to MB 257

Our Vision

...while never losing sight of the fact that our primary focus is to serve the Permian Basin region, we seek to advance our baccalaureate and graduate degree programs through continuous improvement to a level that students beyond the region will see us as a viable educational option.

Our Mission

The mission of the School of Business at The University of Texas of the Permian Basin is to offer both undergraduate and graduate educational programs that are not only of high quality, but that evolve with our ever changing economy; to foster the success of our students in their professional careers; to promote our community of scholars' excellence in teaching, intellectual contributions, and service; and to advance economic development within our region.

Business Honor Society

The School of Business has an active chapter of Sigma Beta Delta, International Honor Society. A student must be in the top 20% of the junior or senior classes to be eligible for induction. Eligible students are inducted into Sigma Beta Delta in the spring of each academic year.

Programs

BBA Accountancy
BA Economics
BBA Finance
BBA Management
BBA Marketing

Requirements for the BBA Degrees and BA Degree

A minimum of 122 semester credit hours is required for the Bachelor of Business Administration (BBA) degree in Accountancy, Finance, Management and Marketing. The Bachelor of Arts (BA) degree in Economics requires a minimum of 120 credit hours. All degree programs in the School of Business require a minimum of 54 upper division hours. Because all students seeking a BBA degree are required to take a cross-section of courses from a variety of business disciplines, the School does not award double majors. Students desiring a double major should seek a second baccalaureate degree. Minors are not required of students seeking a BBA degree.

The School of Business Grade Policy includes the following:

1. The School of Business requires a grade point average of 2.25 in business related lower division courses which include Accounting, Descriptive Statistics, English, Speech, Computer Literacy, Economics, and Mathematical Analysis.

2. Students in the School of Business must achieve a minimum cumulative grade point average of 2.0 on all business core and business elective courses to meet degree requirements. Additionally, students must earn a grade of "C" or better in all courses taught in the major.

The Texas Higher Education Coordinating Board has approved the Field of Study Curriculum for Business. The following Texas Common Course Numbering System (TCCNS) courses are fully transferable to The University of Texas of the Permian Basin to meet the Field of Study Requirements for Business: ECON 2301 and ECON 2302, MATH 1325, COSC (BCIS) 1305 or 1405, SPCH 1311 (with appropriate content only), SPCH 1325 or SPCH 1321 (preferred), and ACCT 2301 or ACCT 2401 and ACCT 2302 or ACCT 2402 only. The MATH and SPCH classes also meet General Education requirements.

Students who have not fulfilled the computer science requirement of the Business Field of Study but who have at least three hours of college credit for a computer course from another college or university may fulfill the COSC 1335 (BCIS 1305/1405) requirement by taking the Business Computer Literacy Test. All other students must take COSC 1335 (BCIS 1305/1405) to fulfill the Business Field of Study.
Students who have not fulfilled the mathematics requirement of the Business Field of Study but who have at least three hours of college credit for a college-level mathematics course may take a Mathematics Placement Test for entry into MATH 1325. Students passing the placement test may take MATH 1325; otherwise students must take the sequence MATH 1324/ MATH 1325.

General Prerequisites to Upper Division Business Courses

Students Intending to Major in a Business Discipline

Students can be accepted into a business major of Accountancy, Finance, Management, or Marketing when they have completed 54 credit hours of General Education and Lower Division Business Courses including a GPA of 2.25 in the following courses (or equivalent):

ENGL 1301 and ENGL 1302, MATH 1324 and MATH 1325 or equivalent, SPCH 1311, 1325 or 1321, COSC 1335 (BCIS 1305), ACCT 2301 and ACCT 2302, ECON 2301 and 2302, and MNGT 2301.

Students who intend to major in a business field, but do not yet meet this criteria should choose Pre-Accountancy, Pre-Finance, Pre-Management, or Pre-Marketing as their major and apply for a change in major in the semester when these criteria will be fulfilled. Pre-business majors can take any lower division business course1 and the following upper division business courses: MNGT 3310, MNGT 3311, MNGT 3302, MNGT 3324, MRKT 3300, ACCT 3333, or FINA 3320.

Students Intending to Minor in a Business Discipline

A student majoring in another field outside the School of Business may elect to minor in Business, Accountancy, Finance, Management, or Marketing by completing 18-21 credit hours in the designated minor. Each minor includes at least nine hours of upper division business courses. Students pursuing a minor in a business field may take upper division business courses beyond the list of open business classes below upon completion of 54 credit hours in their major degree plan including ENGL 1301/1302 and speech, a mathematics sequence2 and computer literacy as required in their major as well as any specific course prerequisites. The upper division business courses available to business minors before completing these criteria include: MNGT 3310, MNGT 3311, MNGT 3302, MNGT 3324, MRKT 3300, ACCT 3333 and FINA 3320.

Business Course Availability for Students not Pursuing a Business Major or Minor

Upper division business courses are restricted to business majors, business minors, and students who meet the entrance requirements for being a business major or business minor. Non-business majors may take no more than 25% of their undergraduate program in business.

Specific Requirements for BBA Degrees in Accountancy, Finance, Management and Marketing

General Education

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog including the following specified courses:

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>MATH 1324/1325 or MATH 2412/2413</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science</td>
<td>3PSYC 1301 and/or SOCI 1301 depending upon the major selected</td>
</tr>
</tbody>
</table>

1FINA 2310-Personal Finance cannot be taken for credit in a business degree plan.  
2Specific course prerequisites result in a requirement of MATH 1324 or equivalent for the Business minor and MATH 1324/1325 or equivalent for Accountancy, Finance, Management, and Marketing minors.  
3Management and Marketing majors must take both PSYC 1301 and SOCI 1301. Accounting and Finance majors may choose one or the other.

Lower Level Business Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2301</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2302</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1335</td>
<td>Computers &amp; Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2302</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 2301</td>
<td>Introduction to Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

18 Credits
Upper Level Business Common Core Courses

All candidates for BBA degrees must complete a basic business administration core of 30 credits. The basic business administration core provides students with a common body of knowledge in business administration. Students’ programs include the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 3333</td>
<td>Information System Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>FINA 3320</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3302</td>
<td>Inferential Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3310</td>
<td>Management Concepts and Organizational Theory</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3311</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3324</td>
<td>Business and the Law</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3340</td>
<td>Production and Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 4375</td>
<td>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 3300</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ECON 3xxx/4xxx</td>
<td>Approved Elective Course</td>
<td>3</td>
</tr>
</tbody>
</table>

30 Credits

NOTE: Major area courses of study designated as 3xxx/4xxx level courses at U. T. Permian Basin are to be taken by junior or senior students at a four year institution. These may not be transferred from a junior/community college even though courses taken may have a similar title. ECON 3322 is the required advanced Economics course for Finance majors.

Geralyn McClure Franklin, PhD
Dean, School of Business
Professor of Management

Dr. Franklin has published articles on human resource management and small business management issues in various journals including Journal of Small Business Management, Journals of Small Business Strategy, Employee Responsibilities & Rights Journals, Journal of Individual Employment Rights, Hospital & Health Services Administration, Labor Law Journal, Public Personnel Management, and Journal of Business & Entrepreneurship. Currently, she is co-chair of the AACS&B International Small School Network Affinity Group, director of exhibitor relations for the Academy of Management, conference site coordinator for Southern Management Association, and a board member for Sigma Beta Delta International Honor Society. Dr. Franklin is a past president and Fellow of the Small Business Institute Directors’ Association, the Association for Small Business & Entrepreneurship (formerly the Southwestern Small Business Institute Association), and president of the Southwest Academy of Management.

Other Required Upper Level Courses

Required Courses beyond the Business Core for a BBA in Accountancy:
ACCT 3301, ACCT 3302, ACCT 3303, ACCT 3305, ACCT 4306 or ACCT 4313, ACCT 4311, 3 hour approved upper division accounting elective, and 9 hours of approved business electives. 30 Credits.

Required Courses beyond the Business Core for a BBA in Finance:
FINA 3321, FINA 3327, 3 hour approved accounting elective from ACCT 3301, ACCT 3303, or ACCT 3310, 3 hour approved economics elective from ECON 3303 or ECON 4307, 12 hours of approved finance electives as shown in the Finance degree plan, and 6 hours of approved business electives. 30 Credits.

Required Courses beyond the Business Core for a BBA in Management:
MNGT 3312, MNGT 3330, MNGT 3370, 9 hours of approved management electives, and 9 hours of approved business electives. 27 Credits.

Required Courses beyond the Business Core for a BBA in Marketing:
MRKT 3312, MRKT 3315, MRKT 4314, 9 hours of approved marketing electives, and 9 hours of approved business electives. 27 Credits.
Specific Requirements for the BA Degree in Economics

General Education

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog. Include the following specified courses:

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>MATH 1324/1325 or MATH 2412/2413</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science</td>
<td>PSYC 1301 and SOCI 1301</td>
</tr>
<tr>
<td>Computer Science</td>
<td>COSC 1335 (BCIS 1305)</td>
</tr>
</tbody>
</table>

Lower Level Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2302</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 2301</td>
<td>Introduction to Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

9 Credits

Upper Level Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 3303</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4323</td>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3302</td>
<td>Inferential Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Approved ECON electives to total 12 credit hours</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Approved electives to total 21 credit hours</td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>

42 Credits

Other Requirements

Additional courses necessary to complete a minor and sufficient upper division electives to complete 54 upper division hours and 120 total hours.

Business Minor

The Business minor gives the non-business student a broad-based background in the field. Non-business students wishing to gain an understanding of commercial ventures or pursue a Master of Business Administration (MBA) degree would be well served with this minor.

Required Courses for a Business minor

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2301</td>
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<tr>
<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2302</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3310</td>
<td>Management Concepts and Organization Theory</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 3300</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

At least 3 credit hours of upper level Business courses approved by the Coordinator of Undergraduate Business Studies

3

21 Credits

Students pursuing a Business minor must meet all prerequisites of courses included in the minor. See the course descriptions in the major area to ascertain the prerequisites for each course.

Economics majors pursuing a Business minor must take at least 6 additional credit hours of approved upper division business electives due to overlapping courses between their major and a Business minor.

Business minors seeking preparation for a MBA degree should choose a management elective (course prefix MNGT) to meet the criteria to waive ACCT 6301, ECON 6301 and MNGT 6360 in the UTPB MBA program, reducing the MBA program requirements from 48 to 39 credit hours. The Graduate Catalog or Coordinator of Graduate Business Studies should be consulted for additional information about preparation for the MBA degree.
Students who are seeking a teaching field in Business Administration must choose both MNGT 3324 and FINA 3320 as approved upper division courses and must complete MNGT 2301 and COSC 1335 (BCIS 1305). The Certification Officer should be consulted for additional information about preparation for teaching business administration.

**Business Discipline Specific Minors**

Business Discipline Specific minors are available for Accountancy, Finance, Management, and Marketing. Each minor gives the non-business student a specialized background in the selected field.

Students pursuing a Business Discipline Specific minor must meet all prerequisites of courses included in the minor. See the course descriptions in the major area to ascertain the prerequisites for each course.

**Required Courses for Accountancy Minor:**
ACCT 2301, ACCT 2302, ACCT 3301, ACCT 3302, ACCT 3303, and ACCT 3305. 18 Credits.

**Required Courses for Finance Minor:**
ACCT 2301, ECON 2301, MNGT 2301, FINA 3320, FINA 3321 or FINA 3327, and 6 approved credit hours from the following: FINA 4320, FINA 4322, FINA 4323, FINA 4324, or FINA 4325. 21 Credits.

Economics majors selecting a Finance Minor would need to take ACCT 2301, FINA 3320, FINA 3321, FINA 3327, and 6 approved hours from the following: FINA 4320, FINA 4322, FINA 4323, FINA 4324, or FINA 4325. 18 Credits.

**Required Courses for Management Minor:**
MNGT 3310, MNGT 3311, MNGT 3312, MNGT 3330, MNGT 3370, and any 3 hours of approved upper division management courses except MNGT 4375. 18 Credits.

**Required Courses for Marketing Minor:**
MRKT 3300, MRKT 3315, MRKT 4314, and any 9 hours of approved upper division marketing courses. 18 Credits.

**Certification Requirements**

Candidates for certification in Business must have completed the courses listed for each area below or equivalent courses in their teaching fields.

**Business:** ACCT 2301 and 2302; ECON 2301 and 2302; COSC 1335 (BCIS 1305); MNGT 2301, 3310 and 3324; MRKT 3300; and three hours from FINA 2310, FINA 3320 or ECON 3322.

**Correspondence Coursework**

The School of Business does not offer courses by correspondence. A student may apply appropriate correspondence credit earned from a regionally accredited college or university toward a bachelor's degree subject to the following limitations:

1. No upper level business courses may be taken by correspondence
2. A correspondence course may not be taken on a pass-fail basis, and no grade lower than a C will be accepted for correspondence credit.

**Credit by Examination Policy for the School of Business**

The School of Business has adopted a policy allowing students to receive credit for certain courses through established examinations rather than through performance in organized classes where proficiency may be determined by these examinations.

Courses eligible for credit by examination at UTPB in the School of Business are available through the Dean of the School of Business. The faculty members, in the specific discipline, have established policies for each eligible course and will determine whether the examination will be offered to the student based on written request of the student to the Dean of the School of Business. Scheduling of the examination is handled by the Dean's office; examination preparation and grading are the responsibility of the faculty members of the discipline being tested.

A student wishing to sit for an examination must notify the Dean's office of his or her intent prior to the end of regular registration in the semester he or she wishes to receive credit. The credit, if granted, will be for the same number of credit hours as the course it will replace and the course will appear with a letter grade on the student's official transcript. The credit received will count toward a degree if the course is part of the standard degree plan for the degree sought. However, the credit will not count toward residency requirements.
Fees will be charged according to the number of credit hours sought, must be paid at least two weeks prior to the examination and are not refundable.

You too can have a great future....

George E. "Buddy" West
State Representative, District 81

A native Texan, G. E. "Buddy" West has served in the State of Texas House of Representatives since 1992. His district encompasses all of Ector County. Currently he serves as Chairman of the House Committee on Energy Resources and serves on two additional House Committees: Environmental Regulation and House Administration.

An alumnus of the University of Texas of the Permian Basin, Mr. West graduated with a Bachelor of Business Administration in Management in December 1975. Formerly a member of the school board for Ector County Independent School District, Mr. West also worked for Amoco Production Company for 30 years.
The vision of the School of Education is to foster a community of lifelong learners sensitive to the consequences of their values, beliefs and actions.

The mission of the School of Education is to prepare professional educators who are proactive in facilitating the lifelong learning and development of students. This mission will be accomplished by valuing and promoting diversity, by encouraging collaborative inquiry, research, and innovation, and by influencing educational practices and policies at the local, state and national level.

Teacher preparation at U. T. Permian Basin is a collaborative venture between the University, local public schools, private schools, and other community agencies in the Permian Basin. This approach is designed to assure that graduates of the program have demonstrated knowledge of the subject matter they will teach and the competence to perform effectively in diverse teaching situations. To acquire certification teacher candidates must demonstrate mastery of the state-adopted Learner-Centered Proficiencies that relate to the following essentials of effective teaching:

- A knowledge base - experience in the teaching field;
- Instructional ability - ability to teach in ways that cause children to learn;
- Communication - skills in relating to others;
- Diversity - ability and desire to work with all children; and
- Professional Growth - ongoing growth and development as an educator.

As part of its teacher certification program, the School of Education emphasizes experiential learning modes through field-based applications in which students spend a significant amount of time in public school classroom settings applying acquired knowledge to a variety of learning situations. Candidates for certification must actively demonstrate proficiency in each of the Learner-Centered Proficiencies through assessment strategies such as portfolios, reflective journals, and other performance-based assessment strategies.

**APPROVED AREAS OF CERTIFICATION**

The teacher preparation program, as a Center for Professional Development of Teachers, includes certification for classroom teaching in the following areas. (Areas are subject to change by the State Board for Educator Certification.)

### Early Childhood - Grade 4

Generalist | Bilingual Generalist
--- | ---

### Grades 4 - 8

| Generalist | Mathematics
| Bilingual Generalist | Science
| English Language Arts | Mathematics & Science
| Social Studies | English Language Arts & Social Studies

### Grades 8 - 12

| *Art | Journalism | Social Studies
| Business Administration | Life Sciences | Spanish
| **Computer Science | Mathematics | Communication
| English Language Arts | Physical Sciences |
| History | Science |
| *Will be deleted Fall 2005. **SBEC approval pending.

### Early Childhood - Grade 12

Physical Education | Art | **Special Education
--- | --- | ---

### Supplemental (additions to a base certificate)

| Bilingual Education | ESL | Special Education
--- | --- | ---
G. Peter Ienatsch, PhD
Dean of the School of Education
Professor of Education

Since coming to UTPB in 1973 from the University of Iowa, Dr. Ienatsch has been involved in many changes in teacher education and language arts instruction. As Dean, he leads the largest graduate program at the University, and is very involved with local schools. He is also involved in statewide and local educational reform efforts and contributes to many community organizations.

Undergraduate Certification

Undergraduates seeking teacher certification earn their bachelor’s degree in an approved area while completing requirements for certification. Students will typically complete an academic major and supporting minor, and should consult with faculty members in those disciplines for help in planning a program.

Post-Baccalaureate Certification

Individuals already holding a bachelor’s degree and desiring to become certified to teach may be eligible to enroll in a post-baccalaureate certification program. Most course work is completed at the undergraduate level, although a limited number of graduate-level hours may be included.

Post-baccalaureate students are required to pass the ExCET/TEExES in their content area prior to being admitted into teacher education. Students failing the content test may be granted provisional admission into the program with additional coursework to be determined by the content area advisor.

Requirements for Certification

Persons entering the program under this catalog who plan to receive teacher certification through The University of Texas of the Permian Basin must meet the following requirements:

A. Complete the Core Curriculum requirements for certification.
B. Be admitted to the Teacher Preparation Program.
C. Complete specific course work in the teaching specialization with a GPA of 2.75 or higher.
D. Complete all course work used to satisfy requirements for a teaching certificate with no grade below a “C”.
E. Successfully complete student teaching or internship requirements.
F. Pass state examinations of pedagogy and teaching specializations. Each student seeking to take such examinations must, prior to issuance of approval, meet university guidelines for eligibility.
G. Complete a bachelor’s degree in an approved area or hold such a degree prior to seeking certification. The overall GPA must be at least 2.50.

Candidates for certification must be free of felony or misdemeanor convictions for any crime directly related to the duties and responsibilities of the teaching profession. Any student with a conviction must consult the Dean, Certification Officer, or Chair of Teacher Education.

Admission to the Teacher Preparation Program

Students must apply for admission to the Teacher Preparation Program during the semester in which the last Education Core course is being completed. Those who have not been admitted cannot take any education courses beyond the core.

The following documentation is required of applicants under this catalog:

1. TASP scores of 260 on Reading, 240 on Writing, and 240 on Math. Approved alternatives include:
   a. SAT combined score of 1070 with at least 525 on both the verbal and mathematics tests. (Tests taken within past 5 years.)
b. ACT composite score of 26 with at least 22 on both the English and mathematics tests. (Tests taken within past 5 years.)
c. TAAS scores of 1780 on writing, 89 on reading, and 86 on math. (Tests taken within past 3 years.)
d. GRE combined score of 1050 on verbal and math, with at least 500 in each area. (Tests taken within past 5 years.)
e. COMPASS scores of 90 on reading, 52 on math, and 7 on writing. (Tests taken within past 3 years.)
f. A student may appeal for exemption, based on courses taken within the past 5 years. Exemption from the writing section requires a grade of “A” in two composition courses. Exemption from the math section requires a grade of “A” in college algebra or its equivalent. No exemptions from the reading section will be granted.

2. Grade of “C” or better in COMM 1315 or equivalent.
3. Completion of 60 semester hours of college course work with a GPA of 2.50 or higher (includes UTPB hours and transfer hours).
4. GPA of 2.75 or higher in the major and minor (or specialization).
5. Completion of Teacher Preparation Core with a GPA of 2.75 or higher and no grade lower than “C”. (Core courses are PSYC 3341, EDUC 3352, EDUC 3362, and EDUC 3370.)
6. Completion of a supervised education experience.
7. Signed certification plan, criminal history release, and degree plan or deficiency plan filed with the Certification Office.
8. Completed application packet, including biographical information and three letters of recommendation.
9. Post-baccalaureate: Passing score on the content-area ExCET/TExES.

The application and supporting documents must be submitted to the Certification Office by the following deadlines:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Semester</td>
<td>November 15</td>
</tr>
<tr>
<td>Spring Semester</td>
<td>April 15</td>
</tr>
<tr>
<td>Summer Semester</td>
<td>July 15</td>
</tr>
</tbody>
</table>

**Readmission Policy**

Certification students who have been inactive for two or more successive “long” semesters must have their certification plan reevaluated, with the possibility of being required to apply for readmission to the teacher preparation program.

**Maximum Age of Education Courses**

The maximum age of education courses to be used for certification purposes shall be five years. Courses more than five years old may be applied only with the written approval of the Dean and/or the Teacher Education Council.

**Student Teaching or Internship**

Candidates for student teaching or internship must have a 2.50 overall grade point average and a GPA of 2.75 in the academic specialization and education courses. (See “Requirements for Certification.”)

Eligibility requires completion of all professional development and methods courses and a passing score on the appropriate content-area ExCET or TExES. Undergraduates can be lacking no more than 6 other hours plus student teaching to finish their degree. Candidates for post-baccalaureate internship must have all hours completed in the specialization.

Classroom instructional aides with at least two years of experience may, with the Dean’s approval, complete a one-semester internship in lieu of student teaching. Guidelines for eligibility are available in the Certification Office. Candidates must also meet all eligibility requirements for student teaching.

Student teachers maintain the daily schedule required of public school mentor teachers to whom they are assigned for a period of 14-15 weeks. Internships are completed as a contracted teacher. Each program requires that candidates pass the Pedagogy and Professional Responsibilities TExES to complete the course.

Applications for admission to student teaching must be received in the Certification Office by the following dates:

<table>
<thead>
<tr>
<th>Teaching</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Student</td>
<td>Deadline is March 5th</td>
</tr>
<tr>
<td>Spring Student</td>
<td>Deadline is October 5th</td>
</tr>
</tbody>
</table>

**ExCET, TExES and TOPT Requirements**

Candidates for certification must pass the appropriate Texas Examinations of Educator Standards (TExES). Candidates must pass a minimum of two tests: one in their specialization and one in pedagogy and professional practices. Persons who are
seeking certification in bilingual education or Spanish must also pass the Texas Oral Proficiency Test (TOPT) for that language.

Individuals seeking to take such examinations through U. T. Permian Basin must, prior to issuance of approval, demonstrate their preparedness on diagnostic tests or through satisfactory completion of an approved test preparation course and/or an individualized plan of study.

Diagnostic tests are offered throughout the academic year and must be taken by all candidates for certification through UTPB prior to enrolling in any methods courses related to the candidate’s certification.

Coursework or tutoring will be recommended for students who are unsuccessful on content-area pretests. Students who are unsuccessful on the PPR pretest must enroll in a test preparation course while completing their methods courses.

**Teacher Preparation “Core” Courses**

All teacher certification options require the completion of four “core” courses as the first phase of the program. No other education courses may be taken until the core courses have been successfully completed and the student has been admitted to the teacher preparation program. The core courses are:

- PSYC 3341 Child & Adolescent Psychology
- EDUC 3352 The Exceptional Child
- EDUC 3362 Fundamentals of Bilingualism & Multiculturalism
- EDUC 3370 Foundations of Education

Post-baccalaureate students should consult their certification advisor to see if graduate-level courses may be taken to meet any of the core course requirements.

**Early Childhood through Grade 4 Options**

**General Requirements**

Students seeking EC-4 certification must take at least 3 math/statistics courses at or above college-level algebra and at least 3 science courses, including both life and physical sciences. They should plan accordingly when completing general education and elective course requirements.

**EC-4 Generalist**

**Phase I**
Teacher Preparation “Core” Courses
*Apply for admission to program prior to registration for Phase II courses.

**Phase II**
EDUC 3322, EDUC 4311, EDUC 4312, EDUC 4313, EDUC 4329, EDUC 4324.
*Take the appropriate diagnostic tests for the TExES during this semester.

**Phase III**
EDUC 4372, EDUC 4373. (Take PPR test prep course if required.)
*Take/pass content-area TExES. Apply for admission to student teaching.

**Phase IV**
EDUC 4680 (Student Teaching); EDUC 4099 (Seminar).
*Take/pass PPR TExES if not previously taken/passed.

**EC-4 Bilingual Generalist**

**Phase I**
Teacher Preparation “Core” Courses
*Apply for admission to program prior to registration for Phase II courses.

**Phase II**
EDUC 3322, EDUC 4311, EDUC 4312, EDUC 4313, EDUC 4315, EDUC 4316, EDUC 4329. Take the appropriate diagnostic tests for the TExES.
Phase III
EDUC 4363, EDUC 4372, EDUC 4373. (Take PPR test prep course if needed.)
*Take/pass content-area TExES. Apply for admission to student teaching.

Phase IV
EDUC 4681 (Student Teaching); EDUC 4099 (Seminar).
*Take/pass PPR TExES if not previously taken/passed.

Grade 4 through Grade 8 Options

General Requirements

Students seeking Grade 4-8 certification, other than certification in English Language Arts and Social Studies, must take at least 4 math/statistics courses at or above college-level algebra and at least 4 science courses, including life and physical sciences.

Grades 4-8 Generalist

Phase I
Teacher Preparation “Core” Courses
*Apply for admission to program prior to registration for Phase II courses.

Phase II
EDUC 3322, EDUC 4321, EDUC 4324, EDUC 4325.
*Take the appropriate diagnostic tests for the TExES during this semester.

Phase III
EDUC 4374, EDUC 4375. (Take PPR test prep course if required.)
*Take/pass content-area TExES. Apply for admission to student teaching.

Phase IV
EDUC 4682 (Student Teaching); EDUC 4099 (Seminar).
*Take/pass PPR TExES if not previously taken/passed.

Grades 4-8 Bilingual Generalist

Phase I
Teacher Preparation “Core” Courses
*Apply for admission to program prior to registration for Phase II courses.

Phase II
EDUC 3322, EDUC 4321, EDUC 4315, EDUC 4316, EDUC 4329, EDUC 4325.
*Take the appropriate diagnostic tests for the TExES during this semester.

Phase III
EDUC 4374, EDUC 4375. (Take PPR test prep course if required.)
*Take/pass content-area TExES. Apply for admission to student teaching.

Phase IV
EDUC 4684 (Student Teaching); EDUC 4099 (Seminar).
*Take/pass PPR TExES if not previously taken/passed.

Grades 4-8 English Language Arts & Social Studies

Phase I
Teacher Preparation “Core” Courses
*Apply for admission to program prior to registration for Phase II courses.

Phase II
EDUC 3322, EDUC 4321, EDUC 4325, EDUC 4326.
*Take the appropriate diagnostic tests for the TExES during this semester.
Phase III
EDUC 4375. (Take PPR test prep course if required.)
*Take/pass content-area TExES. Apply for admission to student teaching.

Phase IV
EDUC 4683 (Student Teaching); EDUC 4099 (Seminar).
*Take/pass PPR TExES if not previously taken/passed.

Grades 4-8 Science & Mathematics

Phase I
Teacher Preparation “Core” Courses
*Apply for admission to program prior to registration for Phase II courses.

Phase II
EDUC 4321, EDUC 4325, EDUC 4326.
*Take the appropriate diagnostic tests for the TExES during this semester.

Phase III
EDUC 4374. (Take PPR test prep course if required.)
*Take/pass content-area TExES. Apply for admission to student teaching.

Phase IV
EDUC 4683 (Student Teaching); EDUC 4099 (Seminar).
*Take/pass PPR TExES if not previously taken/passed.

Grade 8 through Grade 12 Options

Grades 8-12 Content-Area Specialist

Phase I
Teacher Preparation “Core” Courses
*Apply for admission to program prior to registration for Phase II courses.

Phase II
EDUC 4322, EDUC 4326.
*Take appropriate diagnostic tests for ExCET/TExES during this semester.

Phase III
Methods course appropriate to content area, e.g., EDUC 4316, EDUC 4371, EDUC 4376, EDUC 4378, etc. (Take PPR test prep course if required.)
*Take/pass content-area ExCET/TExES. Apply for admission to student teaching.

Phase IV
EDUC 4685 (Student Teaching); EDUC 4099 (Seminar).
*Take/pass PPR TExES if not previously taken/passed.

All-Level Options

EC-Grade 12 Art

Phase I
Teacher Preparation “Core” Courses
*Apply for admission to program prior to registration for Phase II courses.

Phase II
EDUC 3322, EDUC 4321, EDUC 4325 or EDUC 4326.
*Take the diagnostic tests for the ExCET/TExES during this semester.

Phase III
EDUC 4378, ARTS 3389 (Elementary Art Education).
*Take PPR test prep course if required. Take/pass the content-area ExCET/TExES. Apply for admission to student teaching.
Phase IV
EDUC 4686 (Student Teaching); EDUC 4099 (Seminar).
*Take/pass the PPR TExES if not previously taken/passed.

EC-Grade 12 Physical Education

Phase I
Teacher Preparation “Core” Courses
*Apply for admission to program prior to registration for Phase II courses.

Phase II
EDUC 4321, EDUC 4326.
*Take the diagnostic tests for the ExCET/TExES during this semester.

Phase III
EDUC 4332, EDUC 4333, EDUC 4334. (Take PPR test prep course if needed.)
*Take/pass content-area ExCET/TExES. Apply for admission to student teaching.

Phase IV
EDUC 4686 (Student Teaching); EDUC 4099 (Seminar).
*Take/pass PPR TExES if not previously taken/passed.

EC-Grade 12 Special Education

Phase I
Teacher Preparation “Core” Courses
*Apply for admission to program prior to registration for Phase II courses.

Phase II
EDUC 4310, EDUC 4333, EDUC 4354, EDUC 4355, EDUC 4324, EDUC 4325.
*Take the appropriate diagnostic tests for the TExES during this semester.

Phase III
EDUC 4352, EDUC 43xx (Educational Assessment), EDUC 43xx (Behavior Management), EDUC 43xx (Teaching Remedial Math).
*(Take PPR test prep course if required.)
*Take/pass content-area TExES. Apply for admission to student teaching.

Phase IV
EDUC 4679 (Student Teaching); EDUC 4099 (Seminar).
*Take/pass PPR TExES if not previously taken/passed.

Supplemental Certification

Supplemental certifications may be added to an existing certification or earned concurrently with an initial certification. Supplemental certifications are not “stand alone” certifications, i.e., they can only be added to a base certificate.

Bilingual Education (supplemental)
EDUC 3362, EDUC 4329, EDUC 4315, EDUC 4316, EDUC 4363.

English as a Second Language (supplemental)
EDUC 3362, EDUC 4329, EDUC 4316, EDUC 4336.

Special Education (supplemental)
EDUC 3352, EDUC 4352, EDUC 4353, EDUC 4354, EDUC 4355, EDUC 43xx.

Gifted and Talented (supplemental)
This supplemental certification is currently only available at the graduate level. Contact the Certification Office for more information.
Roy Hurst, PhD
Certification Officer
Associate Professor of Education

Sixteen years of experience as a junior and senior-high school science teacher provides Dr. Hurst with an understanding of the challenges facing the classroom instructor. Dr. Hurst's research interests include the classroom applications of the Internet, "hands-on" science learning, and teacher self-efficacy. He teaches both undergraduate and graduate courses in science education and secondary education. His research has been published in The Journal of Research in Science Teaching, The Science Teacher, Teacher Education and Practice, and TABE Journal.

Content Area Requirements

Candidates for certification must have completed the courses listed or equivalent courses approved by the faculty in the discipline(s).

Course Listing

EDUC 0399 College Reading (3)
The course stresses techniques to improve critical thinking skills, as well as, reading improvement and study skills needed to succeed in any college or career setting. FS

EDUC 3322 Developing Reading Strategies Through Classroom Literature (3)
Literature intended for use in classrooms, preschool through 12. History and criticism of books for children and youth, illustrations of these books and current trends in the use of literature. FS

EDUC 3352 The Exceptional Child (3)
This course will present the preservice teacher with a general overview of exceptionalities of children and youth to include characteristics, etiology, and educational programs and practices. Topics will also include historical and legislative events affecting special education and an overview of the special education process including referral, screening, assessment and educational planning. ExCET/TExEs pre-tests may be required. Co/Prerequisite: PSYC 3341. FS

EDUC 3362 Foundations of Bilingualism and Multiculturalism (3)
This course focuses on the linguistic, developmental, political, social, and educational implications of bilingualism and multiculturalism in American society. Legal, ethical, and political issues are also explored. Lesson planning and curriculum development pertaining to bilingual and multicultural populations will be introduced. ExCET/TExEs pre-tests may be required. Co/Prerequisites: PSYC 3341. FS

EDUC 3370 Foundations of Education (3)
This course presents an overview of education for children in preschool through high school. The development of appropriate goals, objectives, and lesson plans is introduced. Prospective teachers will become acquainted with the rewards and demands of the field of education. Field-based experience is required. ExCET/TExEs pre-tests may be required. Co/Prerequisites: PSYC 3341. FS

EDUC 4099 Seminar: Student Teaching (0)
This course provides student teachers with opportunities for synthesis and reflection as they integrate practicum experiences with their previous professional education course work. Learner-centered practices are emphasized. Must pass appropriate TExEs to complete the course. Corequisite: Enrollment in Student Teaching. FS

EDUC 4310 Early Intervention (3)
This course focuses on issues related to young children who exhibit atypical development including the roles that families and professionals in the field play in facilitating development. ExCET/TExEs pre-tests may be required. Prerequisite: Admission to Teacher Certification Program or permission of instructor. FS

EDUC 4311 ECE: Development and Learning (3)
This course focuses on social-emotional development in young children. Emphasis is on using knowledge of social-emotional development to establish a positive learning environment and to implement effective classroom management. ExCET/TExEs pre-tests may be required. Prerequisites: Admission to Teacher Certification Program or permission of the instructor. FS
EDUC 4312 ECE: Curriculum and Instruction (3)
This course introduces the student to the various strategies practiced in early childhood classrooms. Emphasis is on designing developmentally appropriate, learner-centered experiences for young children. Field-based experience is required. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program. F S

EDUC 4313 Emergent Literacy (3)
This course focuses on the development of reading and writing in young children. The content and pedagogy of phonics is introduced. ExCET/TExES pre-tests may be required. Prerequisite: Admission to Teacher Certification Program. S

EDUC 4315 Cognition and Biliteracy (3)
This course introduces the student to the cognitive and linguistic process of learning to read and write in two languages simultaneously. Included are overviews of multicultural literature, Spanish language arts models, linguistics, and grammar. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program, Spanish proficiency as determined by the Texas Oral Proficiency Test (advanced level score) or permission of instructor. F

EDUC 4316 Methods of Teaching a Second Language (3)
Students in this course acquire the theoretical and practical aspects of teaching a second language (written and oral) in an educational setting. ExCET/TExES pre-tests may be required. Prerequisite: Admission to Teacher Certification Program. F S

EDUC 4321 Classroom Instruction and Management (4-8) (3)
The course introduces the prospective middle school teacher to effective practices for classroom instruction and management. The practices include addressing curriculum and instruction by establishing a positive learning environment, designing and implementing assessments, lesson planning, and appropriately integrating technology into learning activities. Field-based experience is required. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program. F S

EDUC 4322 Classroom Instruction and Management (6-12) (3)
This course introduces the prospective secondary school teacher to effective practices for classroom instruction and management. The practices include addressing curriculum and instruction by establishing a positive learning environment, designing and implementing assessments, lesson planning, and appropriately integrating technology into learning activities. Field-based experience is required. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program. FS

EDUC 4324 Reading and Literacy: EC-Grade 4 (3)
This course addresses basic methods, trends, recent materials, issues in reading and literacy for early childhood through grade 4 classrooms. Field-based experience is required. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program. FS

EDUC 4325 Reading and Literacy: Grades 4-8 (3)
This course addresses basic methods, trends, recent materials, issues in reading and literacy for grades 4 through 8. The emphasis is on strategies reading and process writing in the content areas. Field-based experience is required. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program. FS

EDUC 4326 Reading and Literacy in the Content Area (3)
This course focuses on methods of integrating reading and literacy into the content areas for grades 8-12. It emphasizes ongoing assessment and planning developmentally appropriate learning experiences for students. Field-based experience is required. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program. FS

EDUC 4329 Language Acquisition and Development (3)
This course focuses on the development of the young child's first language(s) including theories explaining development, developmental stages, and connections between oral language and the development of reading and writing. It also covers the process of second language acquisition for social and academic purposes. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program or permission of Instructor. FS

EDUC 4332 Curriculum in Physical Education (3)
This course examines current curriculum theory and practice. Factors affecting yearly planning, unit planning, and lesson planning are identified. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program and successful completion of a majority of the Kinesiology Forms of Movement credits. Must be completed during the final year of course work preceding student teaching. Requires concurrent enrollment with EDUC 4334. F

EDUC 4333 Theory and Practice of Teaching: Elementary Physical Education (3)
This course focuses on elementary school physical education instruction and management. Emphasis upon development of teaching skills associated with effective physical education practices, development of pedagogical knowledge, systematic observation and reflective skills. Field-based experience is required. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program and successful completion of a majority of the Forms of Movement credits. S
EDUC 4334 Theory and Practice of Teaching: Secondary Physical Education (3)
This course focuses on secondary school physical education instruction and management. Emphasis upon development of teaching skills associated with effective physical education practices, development of pedagogical knowledge, systematic observation and reflective skills. Field-based experience is required. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program and successful completion of a majority of the Forms of Movement credits. Co requisite: EDUC 4332. F

EDUC 4336 Issues in Multilingualism (3)
This course focuses on comparative and contrastive analyses of the interrelationships of language, culture and learning in educational settings. ExCET/TExES pre-tests may be required. Prerequisite: Admission to Teacher Certification Program. F

EDUC 4352 Collaborative Teaching and Inclusive Practice (3)
This course will examine the teacher’s role in collaborating with parents, teachers, and other professionals in the design of a classroom learning community promoting success for students with disabilities in the general education setting. ExCET/TExES pre-tests may be required. Prerequisites: Admissions to Teacher Certification Program, EDUC 3352. S

EDUC 4353 Emotional and Behavioral Disorders (3)
This course focuses on typical characteristics associated with emotional and behavioral disorders, identification procedures, and the development of appropriate intervention programs. Field-based experience is required. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program and EDUC 3352. F

EDUC 4354 Learning Disabilities (3)
This course will examine typical characteristics associated with learning disabilities, identification procedures used, and the development of appropriate intervention programs. Field-based experience is required. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program and EDUC 3352. F

EDUC 4355 Mental Retardation (3)
This course will examine characteristics associated with mild and moderate mental retardation, identification procedures used, and the development of appropriate intervention programs. Field-based experience is required. ExCET/TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program and EDUC 3352. F

EDUC 4363 Methods of Teaching in the Bilingual Classroom (3)
Students examine content area theory and methods for bilingual education programs in elementary schools. Included are models, curriculum development, Spanish vocabulary, materials, teaching strategies and evaluations. Prerequisites: Spanish proficiency (as determined by the TOPI) or permission of instructor, Admission to Teacher Certification Program, taking appropriate TExES pretests, Block II courses (EDUC 3322, 4312, 4313, 4329, 4315). Co/Prerequisite: EDUC 4316, 4372, 4373. S

EDUC 4371 Teaching Language Arts and Social Studies: Grades 8-12 (3)
This course focuses on methods of teaching language arts and/or social studies in grades 8-12. Emphasis is on integrating reading into language arts and social studies and planning developmentally appropriate learning experiences for students. Field-based experience is required. Prerequisites: Admission to Teacher Certification Program, taking appropriate TExES pretests, and EDUC 4322. Co/Prerequisite: EDUC 4326. F

EDUC 4372 Teaching Mathematics and Science: EC-Grade 4 (3)
This course focuses on methods of teaching math and science in early childhood and elementary classrooms. The emphasis is on planning and providing developmentally appropriate learning experiences in an effective and supportive learning environment. Field-based experience is required. Prerequisites: Admission to Teacher Certification Program, taking appropriate TExES pretests, Block II Courses (EDUC 3322, 4311, 4312, 4313, 4329, 4315 [bilingual]). Co/Prerequisites: EDUC 4324 or 4316, 4363. F/S

EDUC 4373 Teaching Language Arts and Social Studies: EC-Grade 4 (3)
This course focuses on methods of teaching language arts and social studies in preschool - grade 4. Emphasis is on integrating reading into language arts and social studies and planning developmentally appropriate learning experiences for students. Field-based experience is required. Prerequisites: Admission to Teacher Certification Program, Taking appropriate TExES pretests, and EDUC 3322, 4312, 4313, 4329, 4311, 4315 (bilingual). Co/Prerequisite: EDUC 4324 or 4316 (biling), 4363 (biling). F/S

EDUC 4374 Teaching Mathematics and Science: Grades 4-8 (3)
This course focuses on methods of teaching math and science in intermediate or middle school classrooms. The emphasis is on planning and providing developmentally appropriate learning experiences in an effective and supportive learning environment. Field-based experience is required. Prerequisites: Admission to Teacher Certification Program, taking appropriate TExES pretests, Block II courses (EDUC 3322, 4321 or 4315 [bilingual], EDUC 4329 [bilingual]). Co/Prerequisites: EDUC 4325, 4316 (biling). F/S
EDUC 4375 Teaching Language Arts and Social Studies: Grades 4-8
This course focuses on methods of teaching language arts and social studies in grades 4-8. Emphasis is on integrating reading and process writing into language arts and social studies and planning developmentally appropriate learning experiences for students. Field-based experience is required. Prerequisites: Admission to Teacher Certification Program, taking appropriate TEES pretests, EDUC 3322, 4329 (bilingual), 4321 or 4315. Co/Prerequisite: EDUC 4325 or 4316 (bilingual). FS

EDUC 4376 Teaching Mathematics and Science: Grades 8-12
This course focuses on methods of teaching math and science in secondary school classrooms. The emphasis is on planning and providing developmentally appropriate learning experiences in an effective and supportive learning environment. Field-based experience is required. Prerequisites: Admission to Teacher Certification Program, taking appropriate TEES pretests, and EDUC 4322. Co/Prerequisite: EDUC 4326. FS

EDUC 4378 Teaching Visual Arts (3)
This course focuses on methods of teaching visual arts at all levels. The emphasis is on developing skills needed to plan for and provide appropriate learning experiences in an effective, supportive learning environment. Field-based experience is required. Prerequisites: Admission to Teacher Certification Program, taking appropriate TEES pretests, EDUC 4322, Co/Prerequisite EDUC 4326. F

EDUC 4379 Student Teaching: Special Education (3)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in implementing programs for exceptional learners. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TEES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4381 Student Teaching (3)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in classroom settings. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TEES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4387 Student Teaching: ESL (3)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in ESL settings. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TEES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4388 Student Teaching: Bilingual (3)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in bilingual classroom settings. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TEES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4389 Selected Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. This course may be acceptable for graduate credit. FS

EDUC 4391 Contract Study (3)
Advanced independent study or research (equivalent to senior level course). These courses will not count for graduate credit. FS

EDUC 4399 Seminar: Internship (3)
This course provides post-baccalaureate interns with opportunities for synthesis and reflection as they integrate practicum experiences with their professional education course work. Learner-centered practices are emphasized. Must pass appropriate TEES to complete the course. Corequisite: EDUC 4692. FS

EDUC 4399 Seminar (3)
Seminar in professional development and practices relevant to the teacher in the classroom. Prerequisite: Enrollment in Student Teaching.

EDUC 4679 Student Teaching: Spec Ed EC-12 (6)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in implementing programs for exceptional learners. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TEES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS
EDUC 4680 Student Teaching: EC-Grade 4 Generalist (6)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in early childhood and elementary classroom settings. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TExES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4681 Student Teaching: EC-Grade 4 Bilingual Generalist (6)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in bilingual early childhood and elementary classroom settings. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TExES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4682 Student Teaching: Grades 4-8 Generalist (6)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in intermediate and middle school classroom settings. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TExES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4683 Student Teaching: Grades 4-8: Content Specialist (6)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in intermediate and middle school classroom settings. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TExES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4684 Student Teaching: Grades 4-8: Bilingual Generalist (6)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in bilingual intermediate and middle school classroom settings. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TExES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4685 Student Teaching: Grades 8-12 (6)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in secondary classroom settings. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TExES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4686 Student Teaching: All Level (6)
This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in classroom settings. The student is under the collaborative supervision of a certified, experienced teacher and a university faculty member. Must pass appropriate TExES to complete the course. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4692 Practicum: Internship (6)
This practicum provides post-baccalaureate interns with opportunities to demonstrate competency in classroom settings. The student is under the collaborative supervision of a certified, experienced mentor teacher and a university faculty member. Must pass appropriate TExES to complete the course. Prerequisite: Admission to internship. Corequisite: EDUC 4399. May be repeated once for credit. FS
Accountancy

Administered by the School of Business, Accountancy is a discipline involving quantitative and qualitative information essential to the decision-making functions required in every type of organization.

The Bachelor of Business Administration (BBA) degree with a major in Accountancy affords the opportunity for students to prepare for careers in managerial, governmental and not-for-profit accounting. Individuals who have earned a BBA degree with a major in Accountancy are encouraged to seek appropriate professional certifications such as CMA (Certified Management Accountant), CIA (Certified Internal Auditor), CCE/CMA (Certified Cost Estimator/Analyst), CFP (Certified Financial Planner), CFE (Certified Fraud Examiner), and CFM (Certified Financial Manager). Individuals wishing to qualify for these certifications will generally be required to hold at least a baccalaureate degree or have a CPA Certificate.

Students who wish to pursue the CPA (Certified Public Accountant) designation need 150 credit hours to meet Texas Certification requirements. Students seeking to become a CPA are advised to follow the BBA in Accountancy with a Master of Professional Accountancy (MPA) degree. For more information on this degree, please refer to the Master of Professional Accountancy section of the Graduate Catalog. BBA students should work closely with an academic advisor in preparing for the MPA in order to avoid additional courses. A Dual Degree Program leading to a concurrent BBA and an MPA is available for qualified students. The Dual Degree Program description and requirements follow the BBA requirements below.

Degree Requirements

The minimum total credits required for a BBA degree in Accountancy is 122.

General Education

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Mathematics*</td>
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<tr>
<td>Social Science</td>
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</tr>
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</table>

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog. Include the following specified courses:

- Mathematics*: MATH 1324/1325 or MATH 2412/2413 or equivalent
- Social Science: SOCI 1301 or PSYC 1301

Computer Use

Accountancy majors obtain skills in using computers in problem-solving in COSC 1335 (BCIS 1305), a required lower-division course. ACCT 3333/MNGT 3333, a required core business course, includes further development of these skills and their application in a business context in preparation for their use in other upper division business courses, especially ACCT 4311 and MNGT 4375. All accounting courses in the curriculum require some level of computer or Internet skills.

Lower Level Business Courses

Complete the requirements shown in the Lower Level Business Courses section on page 62 of this catalog.

Upper Level Business Common Core Courses

Complete the requirements shown in the Upper Level Business Common Core Courses section on page 63 of this catalog.

Other Required Upper Level Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACCT 3301</td>
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<tr>
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<td>Intermediate Accounting II</td>
</tr>
<tr>
<td>ACCT 3303</td>
<td>Cost Accounting Principles</td>
</tr>
<tr>
<td>ACCT 3305</td>
<td>Federal Income Tax</td>
</tr>
<tr>
<td>ACCT 4306</td>
<td>Introduction to Auditing</td>
</tr>
<tr>
<td>ACCT 4311</td>
<td>Accounting Information Systems</td>
</tr>
<tr>
<td>Approved 3 hour upper division ACCT elective</td>
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</tr>
<tr>
<td>Approved 9 hours of Business electives</td>
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</tr>
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</table>

30 Credits
Accountancy Minor

A minor in Accountancy consists of a total of 18 credit hours.

Lower Level Courses

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ACCT 2301</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2302</td>
<td>Principles of Managerial Accounting</td>
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6 Credits

Upper Level Courses

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<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>ACCT 3301</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3302</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3303</td>
<td>Cost Accounting Principles</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3305</td>
<td>Federal Income Tax</td>
<td>3</td>
</tr>
</tbody>
</table>

12 Credits

Dual Degree Program

The Dual Degree Program in Professional Accountancy provides academically qualified students with the opportunity to add the depth of knowledge available through the Master of Professional Accountancy program to the breadth of the Bachelor of Business Administration degree in an accelerated program that reduces the overall credits for the two degrees to 152 credit hours. Upon completion of the 152 hours specified in the following plan of study, students will be awarded both a BBA and an MPA. No degree will be awarded until all requirements of the Dual Degree Program have been satisfied.

Admission into the Dual Degree Program in Professional Accountancy is open to all students who submit the required application materials and who satisfy the following requirements:

1. Submission of a Graduate Application indicating the Dual Degree Program.
2. Completion of AT LEAST 75 hours and NO MORE THAN 105 hours of coursework listed in the Dual Degree Program plan of study outlined below. Application for admission should be submitted as soon as possible after completing 75 hours of coursework and satisfying the requirements for admission.
3. Completion of at least three of the following four courses with a grade of B or better in each course and a combined GPA of at least 3.25: ACCT 3301, ACCT 3302, ACCT 3303, or ACCT 3305.
4. Cumulative GPA of at least 3.0.
5. Completion of the GMAT. To qualify for admission, the combination of the GMAT score and cumulative GPA must be such that GPA x 200 + GMAT ≥ 1,120 (Ex: 3.5 GPA and 500 GMAT score or 3.0 GPA and 600 GMAT score).

Students who do not qualify for the Dual Degree Program but who wish to pursue the MPA degree may do so by first completing the BBA degree in Accountancy and then applying for admission into the MPA program. Requirements for admission into the MPA program are discussed in the Master of Professional Accountancy section of the Graduate Catalog.

The undergraduate degree requirements for the Dual Degree Program differ from the undergraduate program in two ways:

1. The major accounting requirements are reduced to 18 credit hours by omitting the requirement of an accounting elective.
2. The business elective requirement is reduced to 6 credit hours.

These differences change the sample undergraduate degree plan in the senior year spring semester to begin graduate studies by replacing the accounting elective and 3 credit hours of undergraduate business elective with two graduate business courses.

Degree candidates in the Dual Degree Program are required to maintain a GPA of at least 3.0 in every semester after being admitted to the program. Students in the Dual Degree Program will begin paying graduate tuition and related fees for all courses during the first semester in which the student enrolls in a graduate class.
Course Listing

ACCT 2301 Principles of Financial Accounting (3)
Introduction to concepts and principles of accounting, to include: recognition, analysis, measurement and recording of monetary information in business transactions. Emphasis of the course will be on understanding financial reporting for external users. Prerequisites: Sophomore standing and Math 1324 or equivalent. FS

ACCT 2302 Principles of Managerial Accounting (3)
Introduction to the use of financial and non-financial accounting information for management, decision making, and control. Prerequisites: ACCT 2301 and MATH 1324 or equivalent. FS

ACCT 3301 Intermediate Accounting I (3)
In-depth study of accounting theory, generally accepted accounting principles and the techniques involved in measuring, recording, summarizing and reporting financial data for business organizations. Prerequisites: ACCT 2301 and ACCT 2302. FS

ACCT 3302 Intermediate Accounting II (3)
Continuation of the in-depth study of accounting principles and techniques that was started in Accounting 3301. Prerequisite: ACCT 3301. FS

ACCT 3303 Cost Accounting Principles (3)
The study of the accumulation, measurement, assignment and analysis of costs to satisfy management objectives for planning, control and evaluation. Prerequisites: ACCT 2301 and ACCT 2302 or their equivalents. S

ACCT 3305 Federal Income Tax (3)
Introduction to the federal tax system as it applies to individuals, corporations and partnerships. Current income tax concepts and research methods are introduced for use in problem solving and planning in taxation. Prerequisites: ACCT 2301 and ACCT 2302 or their equivalents. F

ACCT 3310 Accounting for Business Decision-Makers (3)
How cash flow-based management decisions are measured and disclosed through the financial information system of a business entity. Covers financing, investing and operating activities. Not to be taken by accounting majors. Credit will not be given for both ACCT 3301 and ACCT 3310. Prerequisites: ACCT 2301 and ACCT 2302. F03

ACCT 3333 Information System Fundamentals (3)
Provides a basic framework for developing and analyzing systems-oriented information flows. Emphasizes the use of software as productivity tools. Prerequisites: COSC 1335 (BCIS 1305) and MNGT 3310. Crosslisted with MNGT 3333. FS

ACCT 3338 Information Systems Applications (3)
Emphasizes the use of database technology as an information resource tool for managers. Students participate in a comprehensive project using knowledge, skills, and abilities acquired. Prerequisite: ACCT 3333/MNGT 3333. S

ACCT 4300 Advanced Accounting (3)
Development of the principles and techniques of accounting for business combinations and consolidations, partnerships and multinational business organizations. Prerequisites: ACCT 3301 and ACCT 3302. F04

ACCT 4304 Not-for-Profit Accounting (3)
Study of accounting theory and applications related to financial data accumulation and reporting in governmental, hospital, university and other not-for-profit organizations. Prerequisites: ACCT 3301 and ACCT 3302. F03

ACCT 4306 Auditing (3)
Fundamentals of assurance services are covered including risk analysis, evaluation of internal control, audit planning, testing and reporting. Prerequisites: ACCT 3301, ACCT 3302, and MNGT 2301. S

ACCT 4310 Oil and Gas Accounting (3)
Accounting and taxation principles and procedures for the petroleum industry. Topics include exploration, leasing, drilling and production problems. Prerequisites: ACCT 3302 or permission of instructor. S005

ACCT 4311 Accounting Information Systems (3)
A systems approach to evaluate, plan, and implement accounting information systems. Includes the analysis of and use of appropriate technology. Prerequisites: ACCT 3301 or ACCT 3310 and ACCT 3333 (MNGT 3333) or COSC 3315. F

ACCT 4313 Advanced Cost Accounting (3)
A study of the role of management accounting in the formulation and implementation of organizational strategy. Special emphasis is given to the design and evaluation of planning and control systems. Prerequisite: ACCT 3303. Recommended: MNGT 3340.

UTPB 2003–2005 Undergraduate Catalog 81
ACCT 4340 Financial Statement Analysis (3)
An integrative course using ratio and trend analysis to evaluate a company’s financial position through time, among its domestic and international industry competitors and within the global economy. Accounting recognition and disclosure requirements used to interpret publicly available information and apply conclusions to investment and lending decisions. Relevant macroeconomic and financial information resources applied. Prerequisites: ACCT 2301, ACCT 2302 and FINA 3320.

ACCT 4389 Selected Topics in Accounting (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. Prerequisite varies.

ACCT 4391 Contract Study in Accounting (3)
An individual independent study course or research project that addresses a topic not offered in the curriculum. Prerequisite varies.

ACCT 4392 Internship (3)
A supervised field and academic experience. May be repeated once for credit for distinctly different learning experiences. Prerequisite: 12 credit hours of ACCT and completed internship application form with permission of academic advisor, area coordinator, and experiential learning program coordinator.
# DEGREE PLAN: BBA IN ACCOUNTANCY

## Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
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<td>MATH 1325</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1315</td>
<td>3</td>
<td>Visual/Performing Art</td>
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<tr>
<td>HIST 1301</td>
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## Sophomore Year

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## Junior Year

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## Senior Year

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<td>FINA 3320</td>
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</table>

UTPB 2003–2005 Undergraduate Catalog
Art

Administered by the Department of Humanities and Fine Arts within the College of Arts and Sciences.

Our Mission in ART is to:

- Provide all students with a quality educational experience in the visual arts and to serve the Permian Basin as a resource through lectures, exhibitions and outreach programs in art.
- Provide the skills, knowledge and experience necessary to teach elementary or secondary art or to become professional artists and designers, and to develop an attitude which may lead to continued study at a more advanced or professional level in the field as well as to engage in lifelong learning practices.
- Serve non-art majors by offering courses in studio art, art history and art appreciation.
- Offer a diversity of cultural aesthetics and artistic media in the form of exhibitions, lectures, seminars, competitions and visiting artists that enhance the awareness of and exposure to historical and contemporary art and contemporary concerns in art education for UTPB students as well as the Permian Basin community.

The visual arts program at U. T. Permian Basin provides instruction in contemporary modes of expression as well as those of the past. Within the mainstream of modern art, there are numerous options for individual expression, and students are encouraged to seek out those that are best suited to themselves. In accordance with the University’s broadly based humanities program, non-art majors are encouraged to enroll in courses.

There are two degrees available in Art, the Bachelor of Arts and the Bachelor of Fine Arts.

Within the Bachelor of Arts degree there are two options, a major with a minor and the teacher certification program.

1. The BA with a major in Art is designed for those students seeking a liberal arts degree with Art as a major. This program meets the basic standards of the discipline and leaves sufficient electives to permit selecting courses in other disciplines. It is a 36 semester credit hour major (minimum of 24 semester credit hours at U. T. Permian Basin) with an eighteen hour minor and gives the student a broad based education in the visual arts.

2. The teacher certification program is designed for those students interested in a teaching career within the public or private school sector. Offering secondary and all level certification it is a 36 semester credit hour major with an 18 hour minor for secondary certification (minimum of 24 semester credit hours at U. T. Permian Basin), and a 48 semester credit hour major (minimum of 30 semester credit hours at U. T. Permian Basin) for all level certification. All Art majors seeking teacher certification must meet the requirements for the Bachelor of Arts degree with a major in Art.

For students enrolled in the BA program:

All Art majors will be required to meet the visual arts core or its equivalent. Those students transferring in who have not met these requirements must do so before taking junior and senior level courses. All majors are expected to consult with their advisor at the halfway point in their programs to update their degree plans and to have a portfolio review before enrolling for junior level Art courses.

All Art majors are required to participate in at least two art competitions not associated with the Art program during their junior or senior year and all Art majors are required to participate in a senior exhibition before they graduate. The faculty of Art reserves the right to retain class work for instructional purposes and for a permanent collection of student work. The faculty of Art also reserves the right to sell retained student work with the proceeds going to the William A. King Art Scholarship.

The visual arts program offers minors in Studio Art and Art History. A minor in Art normally consists of 18 semester credit hours, nine of which must be taken at U. T. Permian Basin. Studio Art minors are required to take one art history survey, one design course and one drawing course at the freshman/sophomore level. The remaining nine semester credit hours will be chosen from junior/senior level studio courses. Art History minors are required to take Art History Survey I and II from the freshman/sophomore level and ARTS 4300, Concepts of Modern Art. The remaining nine hours are to be selected from the junior/senior level art history groups.

The maximum requirement for the regular art major, and secondary certification in art is 36 semester credit hours and 48 hours for all level certification.
Degree Requirements for the Bachelor of Arts with a major in Art

The total semester credit hours required for a B.A. in Art is 120.

General Education

44 semester credit hours, as stated in pages 51-52 of this catalog.

Computer Use

Art majors must demonstrate a basic use of computing and may do so by completing one of the following courses: ARTS 1301 Art Appreciation (Computer Based), ARTS 1311 Two-Dimensional Design, ARTS 1320 Art Technology or ARTS 4354 Computer Printmaking, COSC 1301, COSC 1335 or similar course which requires the actual use of computers. ARTS 1301, ARTS 1320 and COSC 1335 may be used to meet both this requirement and general education requirements.

Bachelor of Arts Art Major With a Minor

This option is designed for those students seeking a liberal arts degree with art as a major. It is a 36 semester credit hour major (minimum of 24 semester credit hours at U. T. Permian Basin) with an eighteen semester credit hour minor and gives the student a broad based education in the visual arts.

Basic Art Core - Freshman and Sophomore Years

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ARTS 1316</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1311</td>
<td>Two Dimensional Design</td>
<td>3</td>
</tr>
<tr>
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<td>Figure Composition I</td>
<td>3</td>
</tr>
<tr>
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<td>Three Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 2340</td>
<td>Art History Survey I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 2341</td>
<td>Art History Survey II</td>
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</table>

SUBTOTAL: 18

Upper Level Requirements

<table>
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<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>1 Drawing course</td>
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<tr>
<td>2 Three dimensional courses</td>
</tr>
<tr>
<td>1 Painting course</td>
</tr>
<tr>
<td>1 Printmaking course</td>
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</tbody>
</table>

SUBTOTAL: 18

TOTAL: 36

Teacher Certification

All Art majors seeking teacher certification are required to meet the same requirements for the Bachelor of Art degree with a major in Art.

Elementary: Art majors seeking elementary certification are required to take 36 semester credit hours of Art, a minimum of 24 at U. T. Permian Basin and have an 18 semester credit hour minor. Art majors may be certified as a generalist or bilingual generalist in early childhood through fourth grade.
Basic Art Core - Freshman And Sophomore Years

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<td></td>
<td>6</td>
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<td></td>
<td>3</td>
</tr>
<tr>
<td>1 Printmaking course</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

SUBTOTAL: 18

TOTAL: 36

Secondary: Art majors are required to have 36 hours of art with a minimum of 24 at U. T. Permian Basin. *Beginning in 2005 secondary only certification will not be an option.

Basic Art Core - Freshman And Sophomore Years

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SUBTOTAL: 18

Upper Level Requirements

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</tr>
<tr>
<td>1 Printmaking course</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

SUBTOTAL: 18

TOTAL: 36

All Level Certification: Students seeking all level certification with a major in art must have 48 semester credit hours of Art, with a minimum of 30 semester credit hours at U. T. Permian Basin. There is no minor required for this certification.

Basic Art Core - Freshman And Sophomore Years

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</tr>
<tr>
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<td>Art History Survey II</td>
<td>3</td>
</tr>
</tbody>
</table>

SUBTOTAL: 18
Upper Level Requirements

- Art History: 6
- Drawing: 6
- Sculpture: 3
- Ceramics: 3
- Painting: 3
- Printmaking: 3

**SUBTOTAL:** 24

Upper Level Electives

6 hours of art electives (not all in one area) 6

**TOTAL:** 48

FINES ARTS

Administered by the Department of Humanities and Fine Arts within the College of Arts and Sciences.

The Bachelor of Fine Arts Degree with a major in Art at U. T. Permian Basin is designed to provide students with the skills, knowledge and experiences necessary to become professional artists and designers, and to develop an attitude which may lead to continued study at a more advanced or professional level in the field, as well as to engage in lifelong learning practices.

The program design offers three separate tracks: (1) two-dimensional study; (2) Visual Communication and (3) three-dimensional study. The two-dimensional and Visual Communication tracks are specific to the flat plane while the three-dimensional track focuses on the interaction of space and form.

Students selecting the two-dimensional and Visual Communication tracks will develop an understanding and competency in controlling the flat plane through use of the essential elements. Color theory, composition, drawing, design and art history are all tools to be incorporated by the student for the expression and development of personal imagery. More specifically, traditional two-dimensional media, drawing, painting and printmaking will be incorporated with newer materials and technologies as befits the student and the course.

Students taking the 3-Dimensional track for the BFA will focus on the areas of materials, processes, and historical structures with attention towards developing a personal vocabulary of form and content for the future. Focusing on the use of tools and materials as a genesis for the creation of objects, the 3-D emphasis will remain consistent with its traditional focus, but not exclude contemporary influences.

Art Foundation Courses, 18 Credit Hours:

- ARTS 1311, Two Dimensional Design: 3 credits
- ARTS 1316, Introduction to Drawing: 3 credits
- ARTS 2310, Figure Composition I: 3 credits
- ARTS 2331, Three Dimensional Design: 3 credits
- ARTS 2340, Art History Survey I: 3 credits
- ARTS 2341, Art History Survey II: 3 credits

Art History Courses, 12 credit hours:

- ARTS 4203, Theory & Criticism or ARTS 4301, Art Since 1945: 3 credits

Select three courses from the following menu:

- ARTS 3300, American Art: 3 credits
- ARTS 3301, Women Artists I: 3 credits
- ARTS 3302, Women Artists II: 3 credits
- ARTS 3303, Cross Cultural Art: 3 credits
- ARTS 3305, Modern Hispanic Art and Its Foundations: 3 credits
- ARTS 4300, Concepts in Modern Art*: 3 credits
Emphasis, 48 Credit Hours:

Select one of three emphases: (1) Two-Dimensional, Studio Emphasis (48 credit hours); (2) Two-Dimensional, Visual Communication Emphasis (48 credit hours); (3) Three-Dimensional, Emphasis (48 credit hours).

(1) Two Dimensional, Studio Emphasis; 48 credit hours:

a. Upper Level Requirements, 27 credit hours
   - Painting: 6 credits
   - Printmaking: 6 credits
   - Drawing: 6 credits
   - Sculpture or Ceramics: 6 credits
   - Senior Exhibition: 3 credits

b. Electives, 21 credit hours 21 credits

(2) Two-Dimensional, Visual Communication Emphasis; 48 credit hours:

a. Lower Level Requirements, 6 credit hours
   - ARTS 2370, Visual Communication I: 3 credits
   - COMM 2301, Modern Media and Society or: 3 credits
   - COMM 1307, Introduction to the Study of Communication

b. Upper Level Requirements, 30 credit hours
   - Painting: 3 credits
   - Printmaking: 3 credits
   - Drawing: 3 credits
   - Sculpture or Ceramics: 3 credits
   - Senior Exhibition/Portfolio: 3 credits
   - ARTS 3371, Visual Communication II: 3 credits
   - ARTS 4370, Digital Imaging: 3 credits
   - ARTS 4315, Illustration: 3 credits
   - ARTS 4392, Internship: 3 credits
   - COMM 4330, Advertising Strategies or COMM 3304, Public Messages or COMM 4356, Argument and Persuasion: 3 credits

c. Select one course from the following menu, 3 credit hours
   - COMM 3342, Non-linear Production or COMM 4310, Multi-Media Production or COMM 1336, Television Production: 3 credits

d. Electives (upper level), 9 credit hours 9 credits

(3) Three Dimensional Emphasis; 48 credit hours:

a. Upper Level Requirements, 27 credit hours
   - Ceramics or Sculpture: 18 credits
   - Drawing/Painting or Printmaking: 6 credits
   - Senior Exhibition: 3 credits

b. Electives, 21 credit hours 21 credits

Students may graduate with the BFA with a major in Art providing they:
(1) complete the coursework specified in 1, 2 or 3 above such that at least 54 credit hours are upper level; and
(2) meet U. T. Permian Basin's undergraduate scholastic requirements for the baccalaureate.
Pamela J. Price, MFA  
Mr. & Mrs. Louis Rochester Professor of Fine Arts and  
Professor of Art  

Professor Price teaches two-dimensional art, including drawing, painting, papermaking and printmaking. Her recent interest in computer printmaking has led her to break new ground in creating fine art with the new medium. Her work is part of permanent collections in several states and she regularly exhibits in national and regional competitions. Since joining the faculty in 1974, Professor Price was named the Outstanding Teacher of the Year in 1985.

Art Minor

<table>
<thead>
<tr>
<th>Lower level - one of the following:</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 2340 Art History Survey I</td>
<td>3</td>
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<tr>
<td>ARTS 2341 Art History Survey II</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>One of the following:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ARTS 1311 2-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 2331 3-D Design</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>One of the following:</th>
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</tr>
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<tbody>
<tr>
<td>ARTS 1316 Intro to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 2310 Figure Composition I</td>
<td>3</td>
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</tbody>
</table>

Upper level:

| ARTS_____ Any upper level course | 3               |
| ARTS_____ Any upper level course | 3               |
| ARTS_____ Any upper level course | 3               |

TOTAL: 18

Art History Minor

Lower level  
Required

| ARTS 2340 Art History Survey I | 3               |
| ARTS 2341 Art History Survey II | 3               |

Junior/Senior level  
One of the following:

| ARTS 3301 Women Artist I | 3               |
| ARTS 3302 Women Artist II | 3               |

Required

| ARTS 4300 Concepts in Modern Art | 3               |
One of the following:

ARTS 3303  Cross Cultural Art        3
ARTS 4301  Art Since 1945            3

One of the following:

ARTS 3300  American Art History       3
ARTS 3393  Installation Apprenticeship: Must be repeated three times for credit in the minor. 1

TOTAL: 18

Course Listing

ARTS 1301 Art Appreciation (3)†
The study of art, its role in society, the creative process and standards of artistic judgment. (Not for art majors.) F S

ARTS 1311 Two-Dimensional Design (3)†
The study of design concepts including color theory, value scales and perspective. S

ARTS 1312 Design II (3-dimensional) and Steel (3)†
This course is designed to introduce the student to the principles of basic metal fabrication and the principles of art and design. This course will explore the relationship between technical craft and the artistic creativity through a series of projects designed to engage the student in the fabrication of artistic and functional objects made from metal.

ARTS 1316 Introduction to Drawing (3)†
Open to non-art majors. The study of basic drawing techniques using black and white media. F

ARTS 1320 Art Technology (3)†
A course using the computer for the creation of Art and Publications as well as the study of Art History by visiting museums and galleries through the world wide web. Summer 03, 05

ARTS 2310 Figure Composition I (3)†
An introduction to figure drawing using academic approaches with black and white media. S

ARTS 2331 Three-Dimensional Design (3)†
The study of three-dimensional design concepts with an emphasis on tools and materials. F

ARTS 2340 Art History Survey I (3)†
A study of the history of art from prehistoric to the Renaissance. F

ARTS 2341 Art History Survey II (3)†
A study of the history of art from the Renaissance to the post-modern era. S

ARTS 2370 Visual Communication I (3)
An introduction to computer graphics software, and related peripherals as tools for creating expressive images in two-dimension. Incorporating the basic elements of design, specific terminology and technologies students will learn problem-solving techniques from concept through production using computer technologies found in the arts and communication fields. Prerequisite: ARTS 1311 or permission of the instructor. ARTS 1316 or 2310, 2331, 2340 or 2341 recommended. S04, S06

ARTS 3300 American Art History (3)†
A survey of Art concentrating on mainland United States incorporating the arts of Native Americans as well as a variety of immigrant cultures such as European Americans, African-Americans and Mexican-Americans. The course will center on all major art movements in the country and examine the following genres: painting, sculpture, architecture and photography. F03, S05

ARTS 3301 Women Artists I (3)
The study of women artists from ancient times to the early 1900s. Prerequisite: ARTS 2340 and 2341 or permission of the instructor. Summer 03, 05

ARTS 3302 Women Artists II (3)
The study of women artists from the early 1900s to the present. Prerequisite: ARTS 2340 and 2341 or permission of the instructor. F05, F07
ARTS 3303 Cross-Cultural Art (3)†
A comparative study of the philosophies of art of several cultures (e.g. Yoruba, Ashanti, Navajo, Aztec, Japan). To assist the student in understanding aesthetic values other than those traditionally viewed as “Western” to avoid the ethnocentrism which often misinterprets and judges the art of other cultures. F04, S06

ARTS 3305 Modern Hispanic Art and Its Foundation (3)
A study of major Mexican and South American artists from late 19th Century to the present, their essential programs and connections to Pre-Columbian foundations. S05, S07

ARTS 3310 Figure Composition II (3)
Figure drawing based on personal response and interpretation of the model with various colored media. Prerequisite: ARTS 1316, 1311, 2310 or permission of the instructor. F

ARTS 3311 Drawing for Non-Art Majors (3)†
Basic drawing techniques using black and white media. An upper level elective open to juniors and above. (Not for art majors.) S04, S06

ARTS 3320 Painting Oil (3)
The study of basic painting techniques: preparations of ground and support for a painting, color and paint handling, the chemistry of paint and pigments including paint modifiers. Prerequisite: ARTS 1316, 1311, 2310 or permission of the instructor. F

ARTS 3321 Painting: Watercolor (3)
Water soluble media including transparent watercolor, gouache, and mixed media. Prerequisite: ARTS 1316, 1311, 2310 or permission of the instructor. S03, S

ARTS 3322 Painting: Aqua Media (3)
Exploration of water based painting materials including acrylic, gouache, casein and water-soluble oil paint on various surfaces. Prerequisite: ARTS 1311, 1316, 2310, 3320 or 3321 or permission of the instructor. S

ARTS 3326 Photography I (3)
Introduction to black & white photography. Laboratory experience in exposure, film processing and printing black and white film negatives. Prerequisite: ARTS 1311, 2341 or permission of the instructor. F

ARTS 3331 Sculpture (3)
The study of materials and techniques involved with the creation of sculpture. Techniques include additive and subtractive methods of creating form. Prerequisite: ARTS 1316, 1311, 2310, 2331 or permission of the instructor. S04, S06

ARTS 3340 Ceramics for Non-Art Majors (3)†
A survey of ceramic processes for the non-art major, including hand-building and wheel-throwing. An upper level elective open to juniors and above. (Not for art majors.) S03, S04

ARTS 3341 Ceramic Form (3)
A course in ceramic construction with emphasis on various aspects of ceramic building processes, glaze applications and firing procedures. Prerequisite: ARTS 1316, 1311, 2310, 2331 or permission of the instructor. F

ARTS 3342 Low-fire Ceramics (3)
A course emphasizing low-fire clay bodies, glazes and kiln techniques including raku and pit firing. Prerequisite: ARTS 3341 or permission of the instructor. S

ARTS 3350 Relief Printmaking (3)
A course exploring various relief printmaking methods, including woodcuts, linocuts and wood engraving. Prerequisite: ARTS 1316, 1311 and 2310 or permission of the instructor. S04, S06

ARTS 3351 Silkscreen (3)
Processes include building and preparing the silkscreen, cut paper frisket and various stencil techniques. Prerequisite: ARTS 1316, 1311 and 2310 or permission of the instructor. S03, S05

ARTS 3360 Papermaking (3)
Creating handmade paper using various materials and techniques. Open to non-art majors. Prerequisite: ARTS 1316, 1311, 2331 or permission of the instructor. Summer 03, 05, 07

ARTS 3371 Visual Communication II (3)
A course that builds on the ideas and skills introduced in Visual Communication I with the focus on integrated compositions of images and text. Students will further investigate the potential of the computer as a visual communication tool through
projects that emphasize the production of finished artwork for print or electronic distribution. Prerequisite: Arts 1311 and 2370 or permission of the instructor. S03, S04, F06

ARTS 3389 Selected Topics, Studio (3)
Undergraduate studio courses which will be offered only once or will be offered infrequently or which are developed before a regular listing in the catalog.

ARTS 3392 Apprenticeship (3)
A course of study with a member of the art faculty assisting them as an apprentice for a particular project. Prerequisite: ARTS 1316, 1311, 2310, 2331 and permission of supervising instructor required. F5

ARTS 3393 Installation Apprenticeship (1)
A hands-on experience installing exhibitions in the university gallery. Students will learn proper museum procedures for crating, condition reports, installation and repacking of art work. F, S

ARTS 4166 Senior Exhibition (3)
An exhibition selected and hung by the student consisting of the student's best work at the University. Restricted to those enrolled in the BFA program and permission of the art faculty. Summer

ARTS 4300 Concepts in Modern Art (3)
In-depth study for the underlying ideas on which today's art is based. Prerequisite: ARTS 2340 and 2341 or permission of the instructor. F03, F05

ARTS 4301 Art Since 1945 (3)
From Abstract Expressionism to Neo-Expressionism. Prerequisite: ARTS 2340 and 2341 or permission of the instructor. S04, S07

ARTS 4303 Theory & Criticism (3)
This course covers a selection of major schools of critical and aesthetic theory, touching earlier paradigms, but concentrating on recent major models. Prerequisite: ARTS 2340, 2341 and one upper level art history or permission of the instructor. F03, F05

ARTS 4310 Creative Drawing (3)
Drawing based on creativity and personal imagery using various media and approaches. Prerequisite: ARTS 1316, 1311, 2310, and 3303 or permission of the instructor. S

ARTS 4311 Advanced Drawing I (3)
A course designed for students wishing to develop advanced skills in drawing using various media and mixed media techniques. Prerequisite: Arts 1311, 1316, 2310, 2340, 2341, 3310, and 4310 or permission of the instructor. F

ARTS 4312 Advanced Drawing II (3)
Continuation of Advanced Drawing I with emphasis on development of personal imagery and techniques. Prerequisite: ARTS 1311, 1316, 2310, 2340, 2341, 3310, 4310, and 4311 or permission of the instructor. S

ARTS 4315 Illustration (3)
A course that emphasizes the generation of images and display text that does not rely on straight photographs or stock typefaces. Students will work with drawing imagery, symbols and icons. Topics include vector and pixel illustration techniques, abstracted symbols and icons for visual communication and survey of historical and contemporary illustration solutions. Prerequisite: ARTS 1311, 1316, 2310, 2331, 2340, 2341 and 2370 or permission of the instructor. S04, S06

ARTS 4320 Advanced Painting I (3)
A course designed for students wishing to develop advanced skills in painting using a particular painting medium. Prerequisite: ARTS 1311, 1316, 2310, 3320 or 3321 or permission of the instructor. S

ARTS 4321 Advanced Painting II (3)
Continuation of Advanced Painting I (ARTS 4320) emphasizing the development of personal imagery and painting techniques. Prerequisite: ARTS 1311, 1316, 2310, 2340, 2341, 3310, any junior level painting and ARTS 4320 or permission of the instructor. Summer '05 '07

ARTS 4326 Advanced Photography (3)
Advanced photographic techniques with a still camera. Instruction will include laboratory experience with the Zone System for enhanced negative control, archival issues and professional presentation methods. Instruction will include laboratory experience with digital photography and computer image rendering software. Prerequisite: Visual Art core (ARTS 1311, 1316, 2310, 2331, 2340 and 2341) or permission of the instructor. S

ARTS 4330 Sculpture: The Human Form (3)
Formal and alternative methods of figurative sculpture using traditional clay and plaster rendering. Prerequisite: ARTS 2331, ARTS 3331 or permission of the instructor. S03, S05
ARTS 4331 Sculpture: Casting (3)
The exploration of traditional and non-traditional forms of casting metal. Prerequisite: ARTS 2331, 3331, 4330 or permission of the instructor. F03, F05

ARTS 4332 Special Problems: Sculpture (3)*
A course designed for special problems in personal expression in sculpture and the development of a cohesive body of work. Prerequisite: ARTS 2331, 3331, 4330 or permission of the instructor. S03, F03, F04, F05

ARTS 4340 Medium to High-Fire Ceramics (3)
A course emphasizing the use of gas fired kilns and medium to high fire ceramics. Prerequisite: ARTS 3341 or permission of the instructor. S03, S04, S05

ARTS 4341 Special Problems: Ceramics (3)*
A course for special problems in personal expression in ceramics working towards a cohesive body of work. Prerequisite: ARTS 3341, 3342, 4340 or permission of the instructor. S03, F03, F04, F05

ARTS 4342 Clay and Glazes (3)
The scientific approach to the formulation of clay bodies and glazes. Prerequisite: ARTS 4340 or permission of the instructor. S03, S05

ARTS 4350 Intaglio (3)
A course exploring various printmaking techniques with metal plates. Includes plate preparation, drypoint, etching, soft ground, printing and presentation of prints. Prerequisite: ARTS 1311, 1316 and 2310 or permission of the instructor. S04, S06

ARTS 4351 Lithography (3)
Processes include drawing with various lithographic media, etching and printing the stone and presentation of prints. Prerequisite: ARTS 1311, 1316 and 2310 or permission of the instructor. F03, F05

ARTS 4352 Advanced Printmaking I (3)
A course designed for further exploration of a particular printmaking medium and emphasizing technical skills. Prerequisite: ARTS 1311, 1316, 2310, 3350 or 3351 or 4350 or 4351 or permission of the instructor. S

ARTS 4353 Advanced Printmaking II (3)
Continuation of Advanced Printmaking I with particular emphasis on personal imagery. Prerequisite: ARTS 3350 or 3351 or 4350 or 4351 or 4352 or permission of the instructor. F

ARTS 4354 Computer Printmaking (3)
A course using the computer for creating multiple original images (prints). Prerequisite: ARTS 1311, 1316, 2310, 2340, 2341 and 3310 or permission of the instructor. Summer 03, 06

ARTS 4355 Special Problems (3)*
For Art Majors or Art Minors only. Special projects designed by the student in consultation with the instructor; may or may not be studio related. Prerequisite: Visual Arts core (ARTS 1311, 1316, 2310, 2331, 2340 and 2341) two upper level art courses and the permission of the instructor. FS

ARTS 4366 Special Problems: Visual Communications (3)
For Art Majors and Communication Students only. Advanced individual study in a particular area as determined by the student and instructor. Prerequisite: ARTS 1311, 2370, 3371, and permission of the instructor. S04, S06

ARTS 4370 Digital Imaging (3)
A laboratory based course that emphasizes the computer-based generation of imagery from the camera, through editing and manipulation to output. Prerequisite: ARTS 1311, 1316, 2310, 2331, 2340, 2341, 2370, 3371 or permission of the instructor. F03

ARTS 4389 Selected Topics-Lecture (3)
The study of various topics not regularly offered.

ARTS 4392 Internship (3)
For Art Majors only. An internship with an appropriate organization using skills learned as an art major. Seniors only and permission of the supervising instructor required. FS

* Course may be repeated twice.
+ Course fulfills general education requirements.
DEGREE PLAN: BA IN ART

[ ] Regular Major (36 hrs., 24 @ UTPB)
[ ] Concentrated Major (48 hrs., 30 @ UTPB)
[ ] Minor (18 Hours)__________________________

DEGREE REQUIREMENTS:
It is the student’s responsibility to read the catalog and be familiar with all requirements for the B.A. degree.

1. Complete 120 semester credit hours for the B.A. degree.
2. Complete at least 54 hours at the junior or senior level. At least 30 of these must be completed at UTPB.
3. A Minor consists of 18 hours, 12 of which must be at the junior or senior level.
4. Earn at least a C grade in all art courses counting toward the minimum course requirements.
5. Maintain a grade point average of 2.0 or C in all courses applicable toward the B.A. degree.
6. Students seeking teacher certification must maintain a GPA of at least 2.75 in the major.

Freshman/Sophomore Visual Art Core

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<thead>
<tr>
<th>Subject</th>
<th>Course#</th>
<th>Credit</th>
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<tbody>
<tr>
<td>Introduction to Drawing</td>
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<td>2-D Design</td>
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<td>Art History Survey I</td>
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<td>Art History Survey II</td>
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Junior/Senior Major Requirements

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Minor/Second Teaching Field

Freshman/Sophomore Level Classes

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Junior/Senior Level Courses

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Competition:
Competition:
Senior Exhibition:
DEGREE PLAN: BFA IN ART  
Studio Emphasis

DEGREE REQUIREMENTS:
It is the student’s responsibility to read the catalog and be familiar with all requirements for the B.F.A. degree.

1. Complete 120-126 semester credit hours for the B.F.A. degree.
2. Complete at least 54 hours at the junior or senior level, 30 at UTPB.
3. Earn at least a C grade in all art courses counting toward the minimum course requirements.
4. Maintain a grade point average of 2.0 or C in all courses applicable toward the B.F.A. degree.
5. Students seeking teacher certification must maintain a GPA of at least 2.75 in the major.

Freshman/Sophomore Visual Art Core - 18 hours

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<tr>
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<tr>
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<tr>
<td>Art History Survey I</td>
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<td>Art History Survey II</td>
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Upper Level Art History Courses - 12 hours

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<tr>
<th>Subject</th>
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<td>Theory &amp; Criticism or Art Since 1945</td>
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Junior/Senior Art Electives 9 - 21 hours

General Education Requirements - 44 hours

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<td>Computer Use</td>
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Other Electives

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Senior Exhibition/Portfolio  
ARTS 4166  3

Competition  
Competition

UTPB 2003-2005 Undergraduate Catalog  95
DEGREE PLAN: BFA IN ART
Visual Communication

Visual Communication (60 hrs at UTPB)

DEGREE REQUIREMENTS:
It is the student’s responsibility to read the catalog and be
familiar with all requirements for the B.F.A. degree.

1. Complete 120 -126 semester credit hours for the B.F.A.
degree.
2. Complete at least 54 hours at the junior or senior level (30
hrs. at UTPB).
3. Earn at least a C grade in all art courses counting toward
the minimum course requirements.
4. Maintain a grade point average of 2.0 or C in all courses
applicable toward the B.F.A. degree.

General Education Requirements - 44 hours

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<tr>
<th>Subject</th>
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Freshman/Sophomore Visual Art Core - 18 hours

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Lower Level Visual Communication Requirements

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<tr>
<td>Visual Comm. I</td>
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Upper Level Art History Courses - 12 hours

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<tr>
<th>Subject</th>
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Upper Level Visual Communication Requirements

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<tbody>
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<td>Drawing</td>
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<td>Printmaking</td>
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<td>3</td>
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<td>Sculpture or Ceramics</td>
<td>ARTS 3371</td>
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<tr>
<td>Vis. Comm. II</td>
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<tr>
<td>Digital Imaging</td>
<td>ARTS 4370</td>
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<tr>
<td>Illustration</td>
<td>ARTS 4315</td>
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<tr>
<td>Internship</td>
<td>ARTS 4392</td>
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<tr>
<td>Senior Exhibit or Portfolio</td>
<td>ARTS 4166</td>
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<tr>
<td>Comm. 3304 or Comm. 4330 or Comm. 4356</td>
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<td>Comm. 1336 or Comm. 3342 or Comm. 4310</td>
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Upper Level Electives - 9 hours

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<th>Subject</th>
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<tbody>
<tr>
<td>TExES/ExCET Requirements</td>
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</table>

Candidates for TExES/ExCET tests in Art must have completed the courses listed for each area below (or equivalent courses). (The Art ExCET test will change to the TExES in 2005.)

Art (All Level): ARTS 1311, 1316, 2310, 2331, 2340, 2341, 3310, 3303, 3320, 3331, 3341, 3350, 4300, 4310, and 6 hours of ARTS electives with ARTS 3300 and 3326 highly recommended.

Art (Secondary): ARTS 1311, 1316, 2310, 2331, 2340, 2341, 3310, 4300, 3320, 3331, 3341, and 4350.
Bilingual/English as a Second Language

(Minor Only)

The Bilingual/E.S.L. is an interdisciplinary minor that provides students the opportunity to develop an understanding of the role of language in society, how an individual functions in a society where his/her primary language is not the primary language of the society and how a second language is acquired. This understanding is useful for those working in a bilingual or E.S.L. classroom, workplace or social service organization. It also provides the individual with greater insight into the bilingual society of the Southwestern United States.

Consult with the College of Arts and Science Academic Advising Office for a list of faculty advisors.

Teacher Certification

See your education certification advisor for the TExES/ExCET requirements.

Minor Requirements

Students should choose 18 credits from the following three groups as described below. In so doing, the student will take:

- No more than 3 hours in the major discipline
- No more than 9 hours of lower level courses
- No more than 9 hours from any one course discipline

Group A: Students must take at least 6 credits from the following** — EDUC 4329, EDUC 3362, EDUC 4315, EDUC 4336 or EDUC 4363.

Group B: Students, other than English majors, must take 6 credits from the following — ENGL 3371, ENGL 3372, or SPAN 3311*. English majors who take ENGL 3371 or ENGL 3372 to fulfill requirements for the English degree must take ENGL 3371 or ENGL 3372 not taken for the major and nine hours of Group C electives.

Group C: Students, other than English majors, must take 6 additional credits from either Group A or Group B or from the following — ENGL 3306, ENGL 3340, HIST 3371, HIST 4311, PSYC 3341, SOCI 4320, SPAN 3378*, or COMM 4308.

Susan Lara, EdD
Professor of Education
Coordinator of Field Instruction and Bilingual Education

Bilingual/ESL (English as a Second Language) concerns are part of Dr. Lara’s agenda in her teaching, her research, and her service activities. She has received Dept. of Education awards in that area, has served on the Board of Editors for the Journal of Educational Issues of Language Minority Students, and serves as a community resource person. She is also interested in elementary education and reading.

*These courses require proficiency in Spanish. See the course descriptions for pre-requisites.
**Consult School of Education Advisor
Biology

Administered by the Department of Science and Mathematics within the College of Arts and Sciences.

Courses in Biology apply to the Bachelor of Science degree with a major in Biology and to a minor in Biology. Degree programs in Biology provide preparation for careers in elementary, secondary and college teaching; research in basic and applied biological sciences; medicine; veterinary medicine; dentistry; physical therapy; medical technology and other health fields. As a minor, Biology is a good supporting field for majors in Chemistry, Geology, Psychology and Kinesiology. The introductory sequence, General Biology (BIOL 1306-1106, 1307-1107), is required for all Biology degree plans and is appropriate for meeting the University general education requirements for two science courses with laboratory (8 semester credit hours).

The Biology program features three basic degree plans: a Preprofessional Plan, a Teaching Certification Plan and General Studies. Students planning a major in Biology should consult with their faculty advisor to prepare a degree plan no later than the first semester of enrollment. No more than 45 semester credit hours of Biology may be applied toward the 120 semester credit hour minimum required for a degree. Students seeking to earn a B.S. with a major in Biology must pass all courses taken for the major, minor and general education with a grade of C or better. Before enrolling in a course, any prerequisites to that course must be passed with a grade of C or better.

In addition to the University general education degree requirements, a major in Biology requires completion of certain supporting courses necessary and appropriate for a major in Biology. These courses are included in the respective degree requirements below.

Degree Requirements, Preprofessional Plan

The Preprofessional Plan is for students planning to enter graduate school or a professional school, including medicine, dentistry, veterinary medicine, medical technology and other health professions. This professional degree plan includes a minimum of 36 semester credit hours in the major with at least 28 credits of upper level 3000 and 4000 number courses.

The total semester credit hours required for a B.S. in Biology on this pre-professional track is 120.

General Education Requirements

Students on the Preprofessional Plan should complete the requirements in the General Education Requirements section on pages 51-52 of this catalog, including the following specific courses.

Calculus I and II, MATH 2413 and MATH 2414
General Chemistry I and II, CHEM 1331-1133 and CHEM 1332-1134

Computer Use

All pre-professional majors must demonstrate a basic use of computing through the completion of COSC 1335.

Supporting Requirements, Preprofessional Plan

Organic Chemistry I and II, CHEM 3411-3113 and CHEM 3412-3114
Physics I and II, calculus-based physics, PHYS 2425 and PHYS 2426 are strongly recommended, or PHYS 1401 and 1402
Literature: Survey course preferably at the upper (3000) level
Science Capstones: NTSC 4301 and NTSC 4311.

Major Requirements, Preprofessional Plan

Students majoring in Biology on the Preprofessional Plan must take a minimum of 36 semester credit hours in the major with a minimum of 28 hours of upper level courses, including:

BIOL 1306-1106 General Biology I
BIOL 1307-1107 General Biology II
BIOL 3300-3101  Microbiology or
BIOL 3324-3125  Cell Biology

BIOL 3310-3111  Invertebrate Zoology or
BIOL 4350-4151  Comparative Vertebrate Anatomy

BIOL 4320  Cell Biochemistry
BIOL 4340-4141  Genetics with lab
BIOL 4342  Evolution
BIOL 4352-4153  Animal Physiology

Total required upper level hours: 23

Electives

Majors may take any upper level Biology courses beyond the required courses to achieve the minimum 28 upper level credits.

Degree Requirements,
Teacher Certification, Grades 8-12

The Teacher Certification Plan for grades 8-12 is for students planning a career in secondary school teaching with Biology as the academic major and seeking provisional education certification. Students who choose Biology as their academic minor but who wish to receive certification in Biology should refer to the section on Biology Minor.

General Education Requirements, Teacher Certification Plan, grades 8-12 44 sch

Students majoring in Biology on the Teacher Certification Plan should complete the requirements in the General Education Requirements section on pages 51-52 of this catalog, including the following specific courses

General Chemistry I and II, CHEM 1331-1333 and CHEM 1332-1334

Additional Requirements, Teacher Certification Plan, grades 8-12 8 sch

Students majoring in Biology seeking provisional certification, grades 8-12 have the following additional requirements:

Organic Chemistry I, CHEM 3411-3113
Science Capstone NTSC 4311 or NTSC 4301

Two semesters of mathematics, specified as: Students seeking certification, grades 8-12, in Biology whose academic minor is in one of the other Science and Mathematics programs (Chemistry, Computer Science, Geology/Earth Science, or Mathematics) are required to take Calculus I and II, MATH 2413 and 2414, to meet their math requirements. Students seeking certification, grades 8-12, in Biology whose minor is in a program outside of the Department of Science and Mathematics may opt to take MATH 1332 and MATH 1333 or MATH 2412.

Computer Use

Students seeking certification in grades 8-12 must demonstrate a basic use of computing through completion of COSC 1335.

Major Requirements, Teacher Certification Plan, grades 8-12

Students seeking standard certification, grades 8-12 with Biology as the academic major must take at least 30 semester credit hours in Biology, at least 22 of which must be at the upper level. This “reduced” major is an option only to students who complete their certification requirements as part of the Bachelor’s degree; students who do not complete their certification requirements as part of the Bachelor’s degree must complete a full Biology major according to the Preprofessional or General Studies plans. Required courses with elective options are:

BIOL 1306-1106  General Biology I with lab
BIOL 1307-1107  General Biology II with lab
BIOL 3300-3101  Microbiology with lab
or BIOL 3324-3125  Cell Biology with lab
BIOL 3343 or BIOL 4340: Human Genetics or Genetics (lab not required)

BIOL 4342: Evolution

BIOL 3372: Principles of Ecology

Choose among the following as electives to complete the required number of hours for the major: BIOL 3310-3111, Invertebrate Zoology with lab; BIOL 3230-3231, Botany with lab; BIOL 3350-3151, Human Anatomy with lab; BIOL 3352-3153, Human Physiology with lab; or BIOL 4354, Animal Behavior

**Degree Requirements, Teacher Certification, Grades EC-4 and 4-8**

The Teaching Certification Plans for Early Childhood - grade 4 and grades 4 - 8 are for students planning a career in elementary or middle school teaching with Biology as the academic major and seeking education certification. The description of degree requirements in this section apply to Biology majors seeking certification for either EC-4 or 4-8. Consult the School of Education advisor for information regarding education courses and certification procedures.

To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-4 or 4-8 must take at least 9 hours of math (may include statistics) at or above college-level algebra and at least 12 hours of science. They should plan accordingly when meeting general education and elective course requirements. Students seeking certification as a 4-8 Generalist must take at least 12 hours of math and 14-16 hours of science. (Students certifying to teach 4-8 Math or Science will have additional hours in their respective disciplines.)

**General Education Requirements**

Students majoring in Biology seeking certification for either EC-4 or 4-8 should complete the requirements in the General Education Requirements section on pages 51-52 of this catalog, with particular specifications as outlined in the supporting requirements below.

**Additional Requirements, Teacher Certification Plans for EC-4 or 4-8**

Students seeking certification in EC-4 or 4-8 with Biology as their major have the following supporting requirements:

- MATH 1332 and MATH 1333: Contemporary Math I and II
- CHEM 1331-1133 and CHEM 1332-1134: General Chemistry I and II
- NTSC 4311 or NTSC 4301: Science Capstone

**Computer Use**

Students seeking certification in EC-4 or 4-8 must demonstrate a basic use of computing through completion of COSC 1335.

**Major Requirements, Teacher Certification Plan, EC-4 and 4-8**

Students seeking certification in EC-4 or 4-8 with Biology as the major must take at least 26 hours in Biology with at least 18 hours at the upper level. This “reduced” major is an option only to students who complete their certification requirements as part of the Bachelor’s degree; students who do not complete their certification requirements as part of the Bachelor’s degree must complete a full Biology major according to the Preprofessional or General Studies plans.

Required courses with elective options are:

- BIOL 1306-1106: General Biology I with lab
- BIOL 1307-1107: General Biology II with lab
- BIOL 3343 or 4340: Human Genetics or Genetics (lab not required)
- BIOL 4342: Evolution
- BIOL 3372: Principles of Ecology
Choose among the following as electives: BIOL 3310-3111, Invertebrate Zoology with lab; BIOL 3230-3231, Botany with lab; BIOL 3350-3151, Human Anatomy with lab; BIOL 3352-3153, Human Physiology with lab; or BIOL 4354, Animal Behavior.

**General Studies**

Students not in either the Preprofessional or Teacher Certification Plan may opt to complete a more flexible degree plan in General Studies. This must include 36 hours in Biology with a minimum of 24 upper-level credits. Required Biology courses must include:

- BIOL 1306-1106 General Biology I with lab
- BIOL 1307-1107 General Biology II with lab
- BIOL 3343 or 4340 Human Genetics or Genetics (lab not required)
- BIOL 4342 Evolution
- BIOL 3350-3151 or 4350-4151 Human Anatomy or Comparative Vertebrate Anatomy (with lab)
- BIOL 3352-3152 or 4352-4153 Human Physiology or Animal Physiology (with lab)

Two semesters of mathematics (MATH 2413 and 2414) and physics (PHYS 1401 and 1402 are sufficient), and four semesters of chemistry (CHEM 1331-1133, 1332-1134; 3411-3113, 3412-3114) are required.

**Biology Minor**

Biology serves as an appropriate minor area for students to complement majors in other natural sciences, such as Chemistry or Geology, in the behavioral sciences, such as Kinesiology, Psychology and Sociology, and in many other majors.

The total credits required for a minor in Biology is 20.

Students earning a minor in Biology must take a minimum of 20 semester credit hours with a minimum of 12 at the upper level as follows.

- BIOL 1306-1106 General Biology I with lab
- BIOL 1307-1107 General Biology II with lab
- BIOL 3343 Human Genetics, or
- BIOL 4340-4141 Genetics with lab
- BIOL 4342 Evolution

Choose two of the following as electives:

- BIOL 3300-3101 Microbiology or
- BIOL 3324-3125 Cell Biology
- BIOL 3310-3111 Invertebrate Zoology with lab or
- BIOL 3230-3231 Botany with lab
- BIOL 3350-3151 Human Anatomy with lab
- BIOL 3352-3153 Human Physiology with lab
- BIOL 3372 Principles of Ecology

Biology minors who intend to certify in Biology as a second teaching field must complete at least 24 semester credit hours rather than the 20 semester credit hours of an ordinary Biology minor, with a minimum of 12 semester credit hours at the upper level. In addition, they must complete the following additional requirements: CHEM 1331-1133 and CHEM 1332-1134, General Chemistry I and II.

Students transferring credits to U. T. Permian Basin in clinical courses such as nursing, medical technology and other allied health areas should consult with the Chair of the Health Professions Advisory Committee to determine the number of incoming credits that may apply toward a degree. The biology faculty will help students design programs of study to satisfy specific career objectives. A minimum of 120 hours, 54 of which must be upper-level, are required for the Bachelor’s degree.

**TExES/ExCET Requirements**

Candidates for TExES/ExCET tests in 8-12 Life Sciences must have completed the courses listed for each area below (or equivalent courses).

**8-12 Life Sciences:** BIOL 1306/1106, 1307/1107, 3300/3101 or 3324/3125, 3372 or 4372, 3343 or 4340, 4342; CHEM 1331/1133 and 1332/1134; and 3 or 4 hours biology electives.
Candidates for TEExES/ExCET tests in 8-12 Science must have completed the courses listed for each area below (or equivalent courses).

**8-12 Science:** BIOL 1306/1106, 1307/1107, 3343 or 4340; 4342; BIOL 3372 or 3230/3231; BIOL 3300/3101 or 3324/3125; CHEM 1311/1133, 1332/1134, 3411/3113; GEOG 3307; GEOL 1401, 1402; PHYS 1401 and 1402 or PHYS 2425 and 2426; NTSC 4311; and 3-4 hours of science electives (ASTR 1301 recommended).

Candidates for TEExES/ExCET tests in 4-8 Science must have completed the courses listed for each area below (or equivalent courses).

**4-8 Science:** BIOL 1306/1106, 1307/1107, 3343 or 4340, BIOL 3372 or 3230/3231; CHEM 1311/1133, 1332/1134; GEOL 1401, 1402; GEOG 3307; PHYS 1401; NTSC 4311; and 9-12 hours of science electives (ASTR 1301 recommended).

Candidates for TEExES/ExCET tests in 4-8 Math/Science Composite must have completed the courses listed for each area below (or equivalent courses).

**4-8 Math/Science Composite:** MATH 2412, 2413, 2414, 3300, 3301, 3305, 3310, 3350; BIOL 1306/1106, 1307/1107; BIOL 3372 or 3230/3231; CHEM 1331/1133; GEOL 1401; PHYS 1401 or GEOL 1402; NTSC 4311; and 6 hours of science electives.

**Course Listing**

All upper-level courses in Biology require BIOL 1306-1106 and 1307-1107 as a prerequisite. Additional prerequisites are listed for individual courses.

**BIOL 1306 General Biology I (3)**
Overview of the biological sciences, with emphasis on the structure, function and physiology of the cell; genetics and bioenergetics. Corequisite: BIOL 1106. FS

**BIOL 1106 General Biology I Laboratory (1)**
Laboratory methods in the biological sciences, directed toward the structure and function of the cell. Corequisite: BIOL 1306. FS

**BIOL 1307 General Biology II (4)**
Overview of the biological sciences, with emphasis on the biology of organisms, their evolution and the environment. Prerequisite: BIOL 1306-1106. Corequisite: BIOL 1107. FS

**BIOL 1107 General Biology II Laboratory (1)**
Laboratory methods for the study of the structure, function, and the environment of organisms. Corequisite: BIOL 1307. FS

**BIOL 3300 Microbiology (3)**
Growth, morphology, metabolism and ecology of microorganisms. Prerequisites: BIOL 1306-1106, 1307-1107; CHEM 1331-1133, 1332-1134. S

**BIOL 3301 Microbiology Laboratory (1)**
Techniques for the study of microorganisms. Corequisite: BIOL 3300. S

**BIOL 3303 Principles of Nutrition (3)**
Nutritional roles of carbohydrates, proteins, lipids, minerals, vitamins and water in animals (including humans) and plants; emphasis on digestion, absorption, metabolism and excretion of the nutrients and their metabolites. Prerequisite: BIOL 1306-1106, 1307-1107. Prerequisite or Corequisite: CHEM 3411. S

**BIOL 3310 Invertebrate Zoology (3)**
A survey of the morphology, physiology, phylogeny and natural history of major invertebrate phyla. Prerequisites: BIOL 1306-1106, BIOL 1307-1107. Offered alternate years. F

**BIOL 3311 Invertebrate Zoology Laboratory (1)**
Laboratory studies of the morphology and physiology of representative invertebrates. Corequisites: BIOL 3310. Offered alternate years. F

**BIOL 3324 Cell Biology (3)**
Structure and function of prokaryote and eukaryote cells. Topics include cell anatomy, physiology, energetics and transport. Prerequisites: BIOL 1306-1106, 1307-1107; CHEM 1331-1132, 1332-1134; MATH 2412. S

**BIOL 3325 Cell Biology Laboratory (1)**
Laboratory investigation of cellular structure and function. Corequisites: BIOL 3324. S
BIOL 3230 Botany (2)
Structure, development, taxonomy and physiology of the major plant groups. Prerequisite: BIOL 1306-1106, 1307-1107. S

BIOL 3231 Botany Laboratory (2)
Morphology and taxonomy of the major plant groups. Prerequisite: BIOL 3230. S

BIOL 3343 Human Genetics (3)
Mechanisms of inheritance of human traits. Not for pre-professional Biology majors. Prerequisites: BIOL 1306-1106; Recommended: CHEM 1331-1133, CHEM 1332-1134. F

BIOL 3350 Human Anatomy (3)
The development, structures and function of major human anatomical systems. Primarily for kinesiology majors and Biology majors seeking teacher certification. Prerequisite: BIOL 1306-1106, 1307-1107. F

BIOL 3151 Human Anatomy Laboratory (1)
Anatomy of tissues and organ systems of the human and cat. Corequisite: BIOL 3350. F

BIOL 3352 Human Physiology (3)
The physiology of human cells, tissues and systems. Primarily for kinesiology majors and Biology majors seeking teacher certification. Prerequisites: BIOL 1306-1106, 1307-1107; CHEM 1331-1133, CHEM 1332-1134 recommended. S

BIOL 3153 Human Physiology Laboratory (1)
Physiological studies illustrating properties and functions of human cells, tissues and systems. Corequisites: BIOL 3352. S

BIOL 3372 Principles of Ecology (3)
An introduction to behavioral, population, community and ecosystems ecology including the impact of humans on ecosystem function. For non-majors and Biology majors seeking teaching certification. Offered alternate years. Prerequisites: BIOL 1306-1106; BIOL 1307-1107. S

BIOL 3198 Seminar (1)
Interaction and small group discussions of varied topics in biology. Prerequisites: BIOL 1306-1106; BIOL 1307-1107. S

BIOL 4301 Virology (3)
Structure, composition, replication and host interactions of animal, plant and bacterial viruses. Prerequisite: BIOL 3300-3101 or 4320 and 4340; CHEM 3411-3113. Offered alternate years. S

BIOL 4320 Cell Biochemistry (3)
A survey of the biochemical basis of life processes, structure and function of cell components and biologically important molecules, enzyme kinetics, bioenergetics, respiration and reductive biosynthesis. Prerequisite: BIOL 1306-1106, BIOL 1307-1107; CHEM 3411-3113; MATH 2413, BIOL 3300-3101 or BIOL 3324-3125 recommended. F

BIOL 4323 Immunology (1)
Structure and function of the mammalian immune system. Prerequisite: BIOL 3300-3101, BIOL 4320 and BIOL 4340. Offered alternate years. S

BIOL 4330 Developmental Biology (3)
An examination of embryonic and postembryonic development in animals, with an emphasis on those processes that regulate the development of form. Prerequisites: BIOL 1306-1106, 1307-1107; CHEM 1331-1133, 1332-1134. Recommended: BIOL 3343 or 4340-4141, BIOL 3324-3125, and CHEM 3411-3114. S

BIOL 4131 Developmental Biology Laboratory (1)
Experimental and observational studies of vertebrate and invertebrate embryos. Prerequisites: BIOL 4330. F

BIOL 4340 Genetics (3)
Structures and functions of hereditary material, emphasizing recent developments. Prerequisite: BIOL 3300-3101 or 3324-3125. Recommended Corequisite: BIOL 4320. F

BIOL 4141 Genetics Laboratory (1)
Laboratory experiences in manipulation of genetic systems and interpretation of data. Corequisite: BIOL 4340. F

BIOL 4342 Evolution (3)
Population variation and mechanism of evolution and speciation. Prerequisite: BIOL 3343 or 4340. S

BIOL 4350 Comparative Vertebrate Anatomy (3)
A comprehensive survey of the anatomy and development of organ systems of representative vertebrate groups. Prerequisites: BIOL 1306-1106, 1307-1107; CHEM 1331-1133; 1332-1134. F
BIOL 4151 Comparative Vertebrate Anatomy Laboratory (1)
Anatomical dissection of the major organ systems of representative vertebrates. Corequisite: BIOL 4350. F

BIOL 4352 Animal Physiology (3)
Development, function and mechanism of action of the major physiological systems in animals. Prerequisite: BIOL 4320. S

BIOL 4153 Animal Physiology Lab (1)
Experiments and demonstrations of physiological phenomena. Corequisite: BIOL 4352. S

BIOL 4354 Animal Behavior (3)
Overview of the ecological, evolutionary and genetic aspects of animal behavior. Prerequisites: BIOL 1306-1106, 1307-1107; BIOL 3343 or 4340 Offered in alternate years. F

BIOL 4356 Endocrinology (3)
The endocrine system and control of bodily functions. Prerequisite: BIOL 3352 or 4352. Offered alternate years. S

BIOL 4372 Ecology (3)
Overview of the principles of behavioral, population, community and ecosystem ecology. Prerequisites: BIOL 1306-1106, BIOL 1307-1107; MATH 2413. Offered alternate years. F

BIOL 4480 Histology (3)
A study of the molecular and microscopic structure of cells, tissues and organs of the human body. Prerequisite: BIOL 3350-3151 or BIOL 4350-4151 or consent of instructor. Offered alternate years. F

BIOL 4395 Bioresearch (3)
Individual undergraduate research directed by a faculty member of Biology. Recommended prerequisites: BIOL 4320, 4340 and/or 4352. Consent of directing faculty is required. FS

† Course fulfills general education requirements.

Douglas P. Henderson, PhD
Associate Professor of Biology

Dr. Henderson is a microbiologist who studies two intestinal pathogens, *Vibrio cholerae* and *Plesiomonas shigelloides*. His research concerns how these pathogens acquire iron from heme, the iron-containing component of hemoglobin. He is also working on the development of a temporary blood substitute, based on his work with heme iron transport in bacteria. His results have been published in the *Journal of Bacteriology, Infection and Immunity, and Molecular Microbiology*. 
# DEGREE PLAN: BS IN BIOLOGY

## Pre-Professional Plan

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| **TOTAL HOURS**                                    |     |             | ≥120     | ≥54    |
# DEGREE PLAN: BS IN BIOLOGY

## General Studies Plan

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## MAJOR: BIOLOGY, ≥ 36 hrs. total, ≥ 24 hrs. upper level

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<tr>
<td>Human Genetics or Genetics</td>
<td>BIOL 3343</td>
<td>3-4</td>
<td>3-4</td>
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</tr>
<tr>
<td></td>
<td>or 4340/4141</td>
<td></td>
<td></td>
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<tr>
<td>Evolution</td>
<td>BIOL 4342</td>
<td>3</td>
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<td>BIOL electives:</td>
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<td>≥2</td>
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## MINOR: ______________________, ≥ 18 hrs. total, ≥ 12 hrs. upper level

(refer to Discipline specifications)

<table>
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<tr>
<th></th>
<th>Lower Level:</th>
<th>Upper Level:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>≥6</td>
<td>≥12</td>
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</table>

**TOTAL HOURS**

≥120           ≥54
# DEGREE PLAN: BS IN BIOLOGY

## EC-Grade 4 Generalist Certification

<table>
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<tr>
<th>SCH</th>
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<th>Semester</th>
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<tbody>
<tr>
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</table>

## GENERAL EDUCATION CORE
- Composition I: ENGL 1301
- Composition II: ENGL 1302
- US History I: HIST 1301
- US History II: HIST 1302
- Govt., Amer. & State I: PLSC 2301
- Govt., Amer. & State II: PLSC 2302
- Literature (2000 level): ENGL 2300
- Social or Behavioral Science: COMM 1315
- Visual or Performing Arts: 3

## MAJOR: BIOLOGY, EC-4 Generalist Certification, > 26 hrs. total, ≥18 hrs. upper level

<table>
<thead>
<tr>
<th>SCH</th>
<th>Upper Level</th>
<th>Semester</th>
<th>Grade</th>
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<tbody>
<tr>
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</table>

- General Biology I: BIOL 1306/1106
- General Biology II: BIOL 1307/1107
- (Human) Genetics: BIOL 3343 or 4340
- Evolution: BIOL 4342
- Principles of Ecology: BIOL 3372

## CHOOSE AMONG THE FOLLOWING AS ELECTIVES TO COMPLETE THE MAJOR:

<table>
<thead>
<tr>
<th>SCH</th>
<th>Upper Level</th>
<th>Semester</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

- Invertebrate Zoology: BIOL 3310/3111
- Botany: BIOL 3230/3231
- Human Anatomy: BIOL 3350/3151
- Human Physiology: BIOL 3352/3153
- Animal Behavior: BIOL 4354

## SUPPORT COURSES FOR BIOLOGY MAJOR, EC-4 Generalist Certification

<table>
<thead>
<tr>
<th>SCH</th>
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<th>Semester</th>
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</tbody>
</table>

- Contemporary Math I: MATH 1332
- Contemporary Math II: MATH 1333
- Inorganic Chemistry I: CHEM 1331/1133
- Inorganic Chemistry II: CHEM 1332/1134

## SCIENCE & MATHEMATICS DEPARTMENTAL REQUIREMENTS

<table>
<thead>
<tr>
<th>SCH</th>
<th>Upper Level</th>
<th>Semester</th>
<th>Grade</th>
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</thead>
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<td></td>
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</table>

- Computer Programming: COSC 1335
- Natural Science Capstone: NTSC 4301 or 4311

## MINOR:  ≥18 hrs. total, ≥12 hrs. upper level

(refer to Discipline specifications)

<table>
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<tr>
<th>SCH</th>
<th>Upper Level</th>
<th>Semester</th>
<th>Grade</th>
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- Lower Level: ≥6
- Upper Level: ≥12

## EDUCATION COURSES, Early Childhood - Grade 4 Generalist

Note: Consult certification advisor for further information

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<th>SCH</th>
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<th>Semester</th>
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</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

- Education Core (12 sch)
  - Child Psychology: PSYC 3341
  - The Exceptional Child: EDUC 3352
  - Bilingual/Multicultural Ed: EDUC 3362
  - Foundations of Education: EDUC 3370

- Literacy and Pedagogy (18 sch)
  - Literature in Classroom: EDUC 3322
  - ECE Growth/Dev/Learning: EDUC 4311
  - Emergent Literacy: EDUC 4313
  - Language Develop/Acquisition: EDUC 4329
  - ECE Practices: EDUC 4312
  - Reading/Literacy: EC- 4: EDUC 4324

- Content Area Methods (6 sch)
  - Math/Science: EC-4: EDUC 4372
  - Lang Arts/Soc St: EC-4: EDUC 4373

- Student Teaching (6 sch)
  - Seminar: Student Teaching: EDUC 4099
  - Student Teach: EC-4: EDUC 4680

## TOTAL HOURS

<table>
<thead>
<tr>
<th>SCH</th>
<th>Upper Level</th>
<th>Semester</th>
<th>Grade</th>
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≥120  ≥54
# DEGREE PLAN: BS IN BIOLOGY

**Certification Grades 4-8 Generalist**

<table>
<thead>
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<th>General Education Core</th>
<th>SCH</th>
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<th>Semester</th>
<th>Grade</th>
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</thead>
<tbody>
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<td>Composition I</td>
<td>ENGL 1301</td>
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<td>Composition II</td>
<td>ENGL 1302</td>
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<td>US History II</td>
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<td>Gov't., Amer. &amp; State I</td>
<td>PLSC 2301</td>
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<td></td>
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<tr>
<td>Gov't., Amer. &amp; State II</td>
<td>PLSC 2302</td>
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<td></td>
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<tr>
<td>Literature (2000 level)</td>
<td>ENGL 23</td>
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<tr>
<td>Social or Behavioral Science</td>
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<tr>
<td>Communication</td>
<td>COMM 1315</td>
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<tr>
<td>Visual or Performing Arts</td>
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</tbody>
</table>

**MAJOR: BIOLOGY, 4-8 Generalist Certification, ≥ 26 hrs. total, ≥ 18 hrs. upper level**

| General Biology I      | BIOL 1306/1106 | 4 | | |
| General Biology II     | BIOL 1307/1107 | 4 | | |
| (Human) Genetics       | BIOL 3343 | 3 | 3 | |
| or 4340                | | | | |
| Evolution              | BIOL 4342 | 3 | 3 | |
| Principles of Ecology  | BIOL 3372 | 3 | 3 | |

**CHOOSE AMONG THE FOLLOWING AS ELECTIVES TO COMPLETE THE MAJOR:**

- Invertebrate Zoology
  - BIOL 3310/3311 | 4
- Botany
  - BIOL 3230/3231 | 4
- Human Anatomy
  - BIOL 3350/3351 | 4
- Human Physiology
  - BIOL 3352/3353 | 4
- Animal Behavior
  - BIOL 4354 | 3

**SUPPORT COURSES FOR BIOLOGY MAJOR, 4-8 Generalist Certification**

- Contemporary Math I
  - MATH 1332 | 3
- Contemporary Math II
  - MATH 1333 | 3
- Inorganic Chemistry I
  - CHEM 1331/1333 | 4
- Inorganic Chemistry II
  - CHEM 1332/1334 | 4

**SCIENCE & MATHEMATICS DEPARTMENTAL REQUIREMENTS**

- Computer Programming
  - COSC 1305 | 3
- Natural Science Capstone
  - NTSC 4301 | 3
  - or 4311 | |

**MINOR: ≥ 18 hrs. total, ≥ 12 hrs. upper level**

(referee to Discipline specifications)

- Lower Level: _______ _______ ≥ 6
- Upper Level: _______ _______ ≥ 12 ≥ 12

**EDUCATION COURSES, Grade 4-8 Generalist**

Note: Consult certification advisor for further information

<table>
<thead>
<tr>
<th>Education Core (12 sch)</th>
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<tbody>
<tr>
<td>Child Psychology</td>
<td>PSYC 3341</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>The Exceptional Child</td>
<td>EDUC 3352</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Bilingual/Multicultural Ed</td>
<td>EDUC 3362</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>EDUC 3370</td>
<td>3</td>
<td>3</td>
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</table>

**Literacy and Pedagogy (18 sch)**

- Literature in Classroom
  - EDUC 3322 | 3 |
- Classroom Instruct/Mgmt
  - EDUC 4321 | 3 |
- Reading/Literacy
  - EDUC 4325 | 3 |

**Content Area Methods (6 sch)**

- Math/Science: 4-8
  - EDUC 4374 | 3 |
- Lang Arts/Soc St: 4-8
  - EDUC 4375 | 3 |

**Student Teaching (6 sch)**

- Seminar: Student Teaching
  - EDUC 4099 | 0 |
- Student Teach: 4-8
  - EDUC 4682 | 6 |

**TOTAL HOURS**

≥ 120 ≥ 54

108 UTPB 2003–2005 Undergraduate Catalog
# DEGREE PLAN: BS IN BIOLOGY  
## Certification Grades 8-12 Specialist

### GENERAL EDUCATION CORE

<table>
<thead>
<tr>
<th>Course</th>
<th>SCH</th>
<th>Upper Level</th>
<th>Semester</th>
<th>Grade</th>
</tr>
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<tbody>
<tr>
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<td>US History II</td>
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<td>Govt., Amer. &amp; State I</td>
<td>PLSC 2301</td>
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<tr>
<td>Govt., Amer. &amp; State II</td>
<td>PLSC 2302</td>
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<tr>
<td>Literature (2000 level)</td>
<td>ENGL 25</td>
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<td>Social or Behavioral Science</td>
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<tr>
<td>Communication</td>
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<tr>
<td>Visual or Performing Arts</td>
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</table>

### MAJOR: BIOLOGY, Certification Grade 8-12, ≥ 30 hrs. total, ≥ 22 hrs. upper level

<table>
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<th>Upper Level</th>
<th>Semester</th>
<th>Grade</th>
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<td>General Biology I</td>
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<td>General Biology II</td>
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<td>BIOL 3300/1</td>
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<tr>
<td>(Human) Genetics</td>
<td>BIOL 3343</td>
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<td>Evolution</td>
<td>BIOL 4342</td>
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<td>3</td>
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<tr>
<td>Principles of Ecology</td>
<td>BIOL 3372</td>
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### CHOOSE AMONG THE FOLLOWING AS ELECTIVES TO COMPLETE THE MAJOR:

<table>
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<th>Course</th>
<th>SCH</th>
<th>Upper Level</th>
<th>Semester</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>Invertebrate Zoology</td>
<td>BIOL 3310/3111</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Botany</td>
<td>BIOL 3230/3231</td>
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<td>4</td>
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<tr>
<td>Human Anatomy</td>
<td>BIOL 3350/3151</td>
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<td></td>
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<tr>
<td>Human Physiology</td>
<td>BIOL 3352/3153</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Animal Behavior</td>
<td>BIOL 4354</td>
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### CORE REQUIREMENTS FOR BIOLOGY, Certification Grade 8-12 Specialist

<table>
<thead>
<tr>
<th>Course</th>
<th>SCH</th>
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<th>Semester</th>
<th>Grade</th>
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<td>Computer Programming</td>
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<td>Mathematics</td>
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<td>Calculus I</td>
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<td>Calculus II</td>
<td>MATH 2414</td>
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<td>If minor or 2nd teach field not in Science &amp; Math:</td>
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<tr>
<td>Contemporary Math I</td>
<td>MATH 1332</td>
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<td>Organic Chemistry I</td>
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<td>Natural Science Capstone</td>
<td>NTSC 4301</td>
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<td></td>
<td>or 4311</td>
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### MINOR:

≥ 18 hrs. total, ≥ 12 hrs. upper level  
(refer to Discipline specifications)  
Lower Level: ________, ________, ________, ≥ 6  
Upper Level: ________, ________, ≥ 12, ≥ 12  
__________

### EDUCATION COURSES, Certification, Grade 8-12 Specialist

Note: Consult certification advisor for further information

<table>
<thead>
<tr>
<th>Course</th>
<th>SCH</th>
<th>Upper Level</th>
<th>Semester</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Education Core (12 sch)</td>
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<td>Child Psychology</td>
<td>PSYC 3341</td>
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<td>The Exceptional Child</td>
<td>EDUC 3352</td>
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<tr>
<td>Bilingual/Multicultural Ed</td>
<td>EDUC 3362</td>
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<td>Foundations of Education</td>
<td>EDUC 3370</td>
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<td>Literacy and Pedagogy (6 sch)</td>
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<td>Seminar; Student Teaching</td>
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### TOTAL HOURS

≥ 120, ≥ 54

UTPB 2003–2005 Undergraduate Catalog 109
Business

(Minor Only)

The Business minor gives the non-business student a broad-based background in the field. Non-business students wishing to gain an understanding of commercial ventures or pursue a Master of Business Administration (MBA) degree would be well served with this minor.

**Required Courses for a Business minor**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACCT 2301</td>
<td>Principles of Financial Accounting</td>
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<tr>
<td>ACCT 2302</td>
<td>Principles of Managerial Accounting</td>
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</tr>
<tr>
<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
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<td>ECON 2302</td>
<td>Principles of Microeconomics</td>
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<td>MNGT 3310</td>
<td>Management Concepts and Organizational Theory</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 3300</td>
<td>Principles of Marketing</td>
<td>3</td>
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</table>

At least 3 credit hours of upper level Business courses approved by the Coordinator of Undergraduate Business Studies

\[ 3 \text{ Credits} \]

21 Credits

Students pursuing a Business minor must meet all prerequisites of courses included in the minor. See the course descriptions in the major area to ascertain the prerequisites for each course.

Economics majors pursuing a Business minor must take at least 6 additional credit hours of approved upper division business electives due to overlapping courses between their major and a Business minor.

Business minors seeking preparation for a MBA degree should choose a management elective (course prefix MNGT) to meet the criteria to waive ACCT 6301, ECON 6301 and MNGT 6360 in the UTPB MBA program, reducing the MBA program requirements from 48 to 39 credit hours. The Graduate Catalog or Coordinator of Graduate Business Studies should be consulted for additional information about preparation for the MBA degree.

Students who are seeking a teaching field in Business Administration must choose both MNGT 3324 and FINA 3320 as approved upper division courses and must complete MNGT 2301 and COSC 1335 (BCIS 1305). The Certification Officer should be consulted for additional information about preparation for teaching business administration.
Chemistry

Administered by the Department of Science and Mathematics within the College of Arts and Sciences.

Chemistry is a central science that provides a basic understanding needed to deal with many of society's needs. It is a critical field for man's attempt to feed and clothe the world population, to tap new sources of energy, to improve health, and to protect our environment. All life processes are manifestations of chemical change. Understanding chemical reactivity is necessary for our understanding of life and the world around us. Modern chemical instrumental techniques furnish a crucial dimension. They account for the recent acceleration of progress that now promises especially high return from the investment of additional resources in the field of chemistry. The chemical industry of the U.S. employs over a million people. There is no basic science that offers greater security for investment in the future than chemistry.

The Chemistry program leading to the Bachelor of Science degree at U. T. Permian Basin follows the guidelines of the American Chemical Society for a Bachelor of Science in Chemistry. This degree is appropriate for a student who wishes to pursue a professional career in chemistry or biochemistry. It is equally appropriate for one who desires a strong background in this central science as preparation for medical, dental, and veterinary schools, pharmacy, medical technology, technical sales, technical patent law, and teaching.

Degree Requirements

The total semester credit hours required for a B. S. in Chemistry is 120.

General Education 46 semester credit hours

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog including the following specific courses.

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>MATH 2413, 2414</th>
<th>8 semester credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>PHYS 2425, 2426</td>
<td>8 semester credit hours</td>
</tr>
</tbody>
</table>

Computer Use

All majors must demonstrate a basic use of computing through completion of COSC 1335 or similar computer science course which requires the actual use of computers. COSC 1335 may be used to meet both this requirement and the general educational requirement.

Chemistry Major and Minor Requirements

Plan A: 44 semester credit hours (26 upper level) or Plan B: 32 semester credit hours (24 upper level)

Students may complete the requirements for a B. S. degree in Chemistry through either of two plans. Plan A, for professionals, requires a minor. Plan B requires a second major instead of a minor.

<table>
<thead>
<tr>
<th>CHEM 1331-1133, 1332-1134</th>
<th>General CHEM</th>
<th>B. S. Plan A:</th>
<th>B. S. Plan B:</th>
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</thead>
<tbody>
<tr>
<td>CHEM 3411-3113, 3412-3114</td>
<td>Organic CHEM</td>
<td>8</td>
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<tr>
<td>CHEM 3324-3225</td>
<td>Analytical CHEM</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 3695</td>
<td>CHEM Research</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 4301-4103, 4302-4104</td>
<td>Physical CHEM</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 4389-4189</td>
<td>NMR Spect.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 4374-4174</td>
<td>Adv. Inorganic CHEM</td>
<td>4 *</td>
<td></td>
</tr>
<tr>
<td>CHEM 4340</td>
<td>Medicinal CHEM</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3695</td>
<td>CHEM Research</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>44 sch</td>
<td>32 sch</td>
</tr>
</tbody>
</table>
Plan A: Minor - 18 semester credit hours or
Plan B: 2nd Major - 30 semester credit hours

Electives

6 semester credit hours

*Other CHEM 4xxx and CHEM 3695 may be substituted.

Chemistry Minor

The Chemistry minor provides an appropriate supporting background particularly suited for students pursuing a major in another area of science or math but not limited to these. This plan furnishes some knowledge about inorganic, organic, and biochemistry and provides the essential analytical tools for other areas of study.

Minor Requirements

The total semester credit hour requirement for a minor in Chemistry is 23.

Required Courses

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
<th>General Chemistry</th>
<th>Organic Chemistry</th>
<th>Analytical Chemistry</th>
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<td>CHEM 3324-3225</td>
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<td>Total:</td>
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</table>

Chemistry as a Teaching Field Requirements

A teaching field in Chemistry requires the completion of the following:

CHEM 1331/1133 General Chemistry I and Lab
CHEM 1332/1134 General Chemistry II and Lab
CHEM 3324/3225 Analytical Chemistry I and Lab
CHEM 3411/3113 Organic Chemistry I and Lab
CHEM 3412/3114 Organic Chemistry II and Lab
CHEM 4301/4103 Physical Chemistry I and Lab

Substitution of any courses must be cleared through the Chemistry faculty.

TEExS/ExCET Requirements

Candidates for TEExS/ExCET tests in 8-12 Physical Science must have completed the courses listed for each area below or equivalent courses.

8-12 Physical Sciences: CHEM 1331/1133, 1332/1134, 3324/3225, 3411/3113, 3412/3114, 4301/4103; PHYS 2425, 2426; NTSC 4311; 3 hours of science electives.

Candidates for TEExS/ExCET tests in 8-12 Life Sciences must have completed the courses listed for each area below or equivalent courses.

8-12 Life Sciences: BIOL 1306/1106, 1307/1107, 3300/3101 or 3324/3215, 3372, 4340, 4342; CHEM 1331/1133, 1332/1134; NTSC 4311; 4 hours biology electives.

Candidates for TEExS/ExCET tests in 8-12 Science must have completed the courses listed for each area below or equivalent courses.
8-12 Science: BIOL1306/1106, 1307/1107, 4340, 4342; BIOL 3372 or 3230/3231; BIOL 3300/3101 or 3324/3125; CHEM 1311/1133, 1332/1134, 3411/3113; GEOL 1401,1402; GEOG 3307; PHYS 1401 and 1402 or PHYS 2425 and 2426; NTSC 4311; 3-4 hours of science electives (ASTR 1301 recommended).

Candidates for TExES/ExCET tests in 4-8 Science must have completed the courses listed for each area below or equivalent courses.

4-8 Science: BIOL 1306/1106, 1307/1107, 4340; BIOL 3372 or 3230/3231; CHEM 1331/1133, 1332/1134; GEOL 1401, 1402; GEOG 3307; PHYS 1401; NTSC 4311; and 9-12 hours of science electives (ASTR 1301 recommended).

Candidates for TExES/ExCET tests in 4-8 Math/Science Composite must have completed the courses listed for each area below or equivalent courses.

4-8 Math/Science Composite: MATH 2412, 2413, 2414, 3300, 3301, 3305, 3310, 3350; BIOL 1306/1106, 1307/1107; BIOL 3372 or 3230/3231; CHEM 1331/1133; GEOL 1401; PHYS 1401 or GEOL 1402; NTSC 4311; 6 hours of science electives.

Course Listing

CHEM 1331 General Chemistry I (3)†
An introduction to chemistry, fundamentals of atomic structure and bonding, periodic chart, chemical nomenclature, equations and reactions. Prerequisite: high school chemistry. Corequisite: math at college algebra level or better. FS

CHEM 1133 General Chemistry Lab I (1)†
Experiments related to principles and topics covered in CHEM 1331. Corequisite: CHEM 1331. FS

CHEM 1332 General Chemistry II (3)†
Continuation of Chem 1331. Kinetics, equilibria, thermodynamics, electrochemistry, environmental chemistry, nuclear chemistry, and organic chemistry. Prerequisite: CHEM 1331 and 1133 with C grade or higher. S, Summer

CHEM 1134 General Chemistry Lab II (1)†
Experiments related to principles and topics covered in CHEM 1332. Prerequisite: CHEM 1332 and 1133 with C grade or higher. Corequisite: CHEM 1332. S, Summer

CHEM 3411 Organic Chemistry I (4)
Organic functional groups. Emphasizes synthesis and mechanisms. For chemistry, pre-professional and other science majors. Prerequisite: CHEM 1332-1134 with C grade or higher. Corequisite: CHEM 3113. F

CHEM 3113 Experimental Organic I (1)
Techniques of separation, purification and synthesis of organic compounds. F

CHEM 3114 Experimental Organic II (1)
Continuation of CHEM 3113; organic synthesis, qualitative analysis, spectral interpretation (IR, NMR, MS), and instrument usage. Prerequisites: CHEM 3411 and 3113 with C grade or higher. Corequisite: CHEM 3412. S

CHEM 3324 Analytical Chemistry I (3)
Analytical techniques and methods (emphasis on instrumentation) common to all areas of chemistry, medicine and the biological sciences. Corequisite: CHEM 3225. F

CHEM 3225 Analytical Chemistry Lab I (2)
Laboratory experience with instruments and methods presented in CHEM 3324. Corequisite: CHEM 3324. F

CHEM 3412 Organic Chemistry II (4)
Continuation of CHEM 3411 including an introduction to naturally occurring and biologically important compounds. Prerequisite: CHEM 3411 and 3113 with C grade or higher. Corequisite: CHEM 3114. S

CHEM 3695 Research (Available for 1, 2, or 3 credit hours)
Laboratory work on some aspect of a Chemistry research problem. Prerequisite: consultation with chemistry faculty and permission of research advisor. May be repeated for credit. F, S, Summer

CHEM 4103 Experimental Physical Chemistry I (1)
Thermodynamic, kinetic and spectroscopic measurements. High-vacuum techniques and the use of sophisticated equipment in measuring molecular parameters. Corequisite: CHEM 4301. F
CHEM 4104 Experimental Physical Chemistry II (1)
Continuation of CHEM 4103. Prerequisite: CHEM 4103. Corequisite or prerequisite: CHEM 4302. S

CHEM 4301 Physical Chemistry I (3)
Kinetic molecular theory, molecular thermodynamics and an introduction to molecular energies. Prerequisites: one year of physics and one year of calculus. Corequisite: CHEM 4103. Prerequisite: CHEM 3324 and 3225. F

CHEM 4302 Physical Chemistry II (3)
Kinetics, quantum mechanics, bonding and molecular spectroscopy. Prerequisite: CHEM 4301. S

CHEM 4340 Medicinal Chemistry (3)
A brief historical development of medicinal chemistry and pharmacognosy is followed by a detailed look at most drug classes. Emphasis will be on relating chemical structure with bioactivity. Commonly used methods of drug design are interspersed. Prerequisite: CHEM 3412. S

CHEM 4374 Inorganic Chemistry (3)
Modern bonding theories at a level appropriate to understanding structure and chemical properties. Periodic relationships applied to families of elements. Prerequisite: CHEM 3324, 3225; CHEM 4301 and 4302 are desirable. S

CHEM 4174 Experimental Inorganic Chemistry (1)
Experiments which illustrate the descriptive nature of chemistry as well as techniques in the synthesis and identification of inorganic compounds. Prerequisite: CHEM 3324, 3225. S

CHEM 4389 Selected Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog and may be acceptable for graduate credit. F

CHEM 4391 Contract Study (3)
Advanced independent study or research (Same as 3391 but equivalent to senior level course). These courses will not count for graduate credit.

† Course fulfills general education requirements.
### Degree Plan: BS in Chemistry - Plan A

**General Education Requirements:**

<table>
<thead>
<tr>
<th>Lower Level</th>
<th>Upper Level</th>
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<tbody>
<tr>
<td>English Composition: ENGL 1301 &amp; 1302</td>
<td>6</td>
</tr>
<tr>
<td>U.S. History: HIST 1301 &amp; 1302</td>
<td>6</td>
</tr>
<tr>
<td>U.S. &amp; State Government: PLSC 2301 &amp; 2302</td>
<td>6</td>
</tr>
<tr>
<td>Literature: ENGL 2322, 2323, 2327, or 2328</td>
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</tr>
<tr>
<td>Social Science: PSYC, SOCI 1301, ECON 2301</td>
<td>3</td>
</tr>
<tr>
<td>Communication: COMM 1315</td>
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</tr>
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<td>Fine Arts: ARTS 1301, MUSI 1306, DRAM 2301</td>
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**Common Core & Chemistry Requirements:**

<table>
<thead>
<tr>
<th>Lower Level</th>
<th>Upper Level</th>
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</thead>
<tbody>
<tr>
<td>MATH 2413 &amp; MATH 2414 (Calculus I &amp; II)</td>
<td>8</td>
</tr>
<tr>
<td>PHYS 2425 &amp; 2426</td>
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</table>

**Department Core Requirements:**

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<thead>
<tr>
<th>Lower Level</th>
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<tbody>
<tr>
<td>COSC 1301 or 1335 (Computer Science)</td>
<td>3</td>
</tr>
<tr>
<td>NTSC 4311 (Capstone)</td>
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</table>

**Major Chemistry Courses: 44 sch total, 26 sch upper**

<table>
<thead>
<tr>
<th>Lower Level</th>
<th>Upper Level</th>
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</thead>
<tbody>
<tr>
<td>CHEM 1331/1133 &amp; 1332/1134, General Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>CHEM 3411/3113 &amp; 3412/3114, Organic Chemistry</td>
<td>10</td>
</tr>
<tr>
<td>CHEM 3324/3225, Analytical Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 4301/4103 &amp; 4302/4104, Physical Chemistry</td>
<td>8</td>
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<tr>
<td>CHEM 3695 Research</td>
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**Advanced Chemistry Electives (12sch):**

<table>
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<tbody>
<tr>
<td>CHEM 4340, Medicinal</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 4389 &amp; Lab, NMR Spectroscopy</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3695 Research</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 4374/4175, Advanced Inorganic Chemistry</td>
<td>4</td>
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</table>

**Minor:**

In general, a minor consists of 18 sch of which 12 sch must be upper level. Please refer to the catalog for specific requirements for each individual minor.

<table>
<thead>
<tr>
<th>Lower Level</th>
<th>Upper Level</th>
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<tbody>
<tr>
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**Transfer or Other SCH Not Listed Above**

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**Total SCH (Plan: 120 SCH With 54 Upper Level)**

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<tr>
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<tbody>
<tr>
<td>65</td>
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</table>
## DEGREE PLAN: BS IN CHEMISTRY-Plan B

### General Education Requirements:

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<th>Requirement</th>
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<tr>
<td>English Composition: ENGL 1301 &amp; 1302</td>
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<td>U.S. History: HIST 1301 &amp; 1302</td>
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<tr>
<td>Literature: ENGL 2322, 2323, 2327, or 2328</td>
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<tr>
<td>Social Science: PSYC, SOCI 1301, ECON 2301</td>
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<tr>
<td>Communication: COMM 1315</td>
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<td>Fine Arts: ARTS 1301, MUSI 1306, DRAM 2301</td>
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### Common Core & Chemistry Requirements:

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<tr>
<th>Requirement</th>
<th>Lower Level</th>
<th>Upper Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2413 &amp; MATH 2414 (Calculus I &amp; II)</td>
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<td>PHYS 2425 &amp; 2426</td>
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</table>

### Department Core Requirements:

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<thead>
<tr>
<th>Requirement</th>
<th>Lower Level</th>
<th>Upper Level</th>
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<tr>
<td>COSC 1301 or 1335 (Computer Science)</td>
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<tr>
<td>NTSC 4311 (Capstone)</td>
<td>3</td>
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### Major Chemistry Courses: 32 sch total, 24 sch upper

<table>
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<th>Requirement</th>
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<tr>
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<td>CHEM 3411/3113 &amp; 3412/3114 Organic Chemistry</td>
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<td>CHEM 3324/3225 Analytical Chemistry</td>
<td>5</td>
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</tr>
<tr>
<td>CHEM 4301/4103 Physical Chemistry</td>
<td>4</td>
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<tr>
<td>CHEM 3695 Research</td>
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### Advanced Chem Electives (4 sch)

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### 2nd Major:

30 total, 22 upper level (approx)

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### Education:

#### Transfer or Other SCH Not Listed Above

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<tr>
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### Total SCH (Plan: 120 SCH With 54 Upper Level)

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</table>
Child and Family Studies

Administered by the Department of Behavioral Science within the College of Arts and Sciences in collaboration with the School of Education.

Besides being an excellent preparation for dealing with children and families in our own lives, the Child and Family Studies major is designed to provide a sound academic foundation for persons planning to work with and/or study children and their families in various contexts. Students will take coursework focusing on typical and atypical development of children, roles children play in our overall society, diverse relationships within families, multicultural perspectives of the family, and methods used to research issues related to children and their families. After graduating with this major, students may have careers in teaching, early childhood program management, social agencies, non-profit foundations, or any other service/organization related to children and families. In addition they may wish to continue their education in graduate programs or professional schools.

In the Child and Family Studies major, students must choose a focus of study from one of three tracks: Learning and Development; Social Agencies; or Applied Research. The Learning and Development track focuses on: the physical, social, emotional and cognitive development of children; issues that involve relationships among families with children; and atypical development of children. The Social Agencies track takes a multicultural perspective on issues related to children and families in society. It includes courses dealing with social work, health, and other topics related to the child and the modern family. Designed to appeal to students interested in scientifically investigating issues in child and family development, the Applied Research track includes: the study of life-span development; examination of social, cognitive, health and atypical development; and applications of research to developmental issues.

This major is designed to facilitate a seamless transition to The University of Texas of the Permian Basin for the community college student who has completed Texas Early Childhood Articulated (TECA) courses. The four TECA courses that will be incorporated in the program’s coursework include: TECA 1303 Family and the Community; TECA 1311 Introduction to Early Childhood; TECA 1318 Nutrition, Health, and Safety; and TECA 1354 Child Growth and Development.

Students must complete at least 120 credits in order to receive a B.A. in Child and Family Studies. This includes a minimum of 44 credit hours in the general education core curriculum, a minimum of 36 credits (a maximum of 45 credits) in Child and Family Studies, a minimum of 18 credits in a minor other than sociology or psychology, and 22 credits in elective courses. Certification in teaching may require educational courses outside of this major. Students should consult an academic advisor to plan their course of study in the major and an education advisor to plan any educational certification.

Degree Requirements

The minimum total credits required for a B.A. in Child and Family Studies is 120.

General Education

44 credit hours

Students must complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog. The second mathematics requirement must be CHLD 3301 or an equivalent introductory statistics course.

Computer Use

All majors must demonstrate a basic use of computing through the completion of CHLD 3301.

Child and Family Studies Major Requirements

36 credit hours

Students majoring in Child and Family Studies must take a minimum of 36 credit hours in child and family studies (CHLD) or approved courses. The maximum number of credit hours in child and family studies courses is 45. The 36 credit hours are divided into three sections: 18 credit hours of “core” courses, 12 credit hours of “track” courses and 6 credit hours of “approved electives”.

The six “core” courses include:
- SOCI 1301 or PSYC 1301
- CHLD 3341 or TECA 1354**
- CHLD 3348 or CHLD 4320
- CHLD 4310
- CHLD 4303 or CHLD 3404
- CHLD 3390 or CHLD 4381 or TECA 1303**
Students must choose a “track” and take 4 courses from that track. The “track” courses include:

Learning and Development:
CHLD 4311 (Required)
CHLD 4329 or CHLD 3310 or TECA 1311**
CHLD 3348 or CHLD 3390 or CHLD 4370
CHLD 4310 or CHLD 3352

Social Agencies:
CHLD 4391 (Required)
CHLD 4320 or CHLD 3348 or CHLD 3390 or CHLD 4389
CHLD 3380 or CHLD 4321 or ACCT 2301 or COSC 1335
CHLD 4370 or CHLD 4381 or CHLD 4307 or TECA 1318**

Applied Research:
CHLD 4391 (Required)
CHLD 4345 or CHLD 3343 or CHLD 4381 or CHLD 4370
CHLD 3311 or CHLD 4311 or CHLD 4307 or CHLD 3321 or TECA 1318**
COSC 1335 or CHLD 4351 or CHLD 4389

** Texas Early Childhood Articulated (TECA) courses, available only at community colleges.

The two “approved electives” include:

Minor 18 credit hours

A minor is required for this major. Students may not minor in psychology or sociology.

Electives 22 credit hours

Child and Family Studies Minor

A minor in Child And Family Studies requires that the students take 18 semester credit hours. Twelve (12) of these credits must be upper level (junior or senior level) courses from within the Child and Family Studies major. The lower level hours can be satisfied by TECA courses or SOCI1301 and/or PSYC1301.

Teacher Preparation and TExES/ExCET Requirements

Please consult with your teacher certification advisor for specific details.

To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-4 or 4-8 must take at least 9 hours of math (may include statistics) at or above college-level algebra and at least 12 hours of science. They should plan accordingly when meeting general education and elective course requirements. Students seeking certification as a 4-8 Generalist must take at least 12 hours of math and 14-16 hours of science. (Students certifying to teach 4-8 Math or Science will have additional hours in their respective disciplines.)

Course Listing

CHLD 3301 Introductory Statistics (3)
Measures of central tendency, variability, correlation and hypotheses testing, with emphasis on the application of statistical methods to research in the behavioral sciences and education. Prerequisite: must have fulfilled one general education mathematics requirement. FS

CHLD 3310 Motor Development (3)
An examination of the factors affecting physical growth, those influencing the acquisition of fundamental motor skills, and the effects of aging upon physical performance. F, Summer

CHLD 3311 Social Psychology (3)
Interrelationships between individuals and their social environment, considering social influences upon motivation, perception, behavior and development, and change of attitudes and opinion. Prerequisite: PSYC 1301. S
CHLD 3321 Abnormal Psychology (3)
Variables involved in the development, maintenance and treatment of a variety of behavior disorders. Prerequisite: PSYC 1301. F,S

CHLD 3341 Child/Adolescent Psychology (3)
Developmental aspects of physical, mental, social and emotional growth from prenatal through adolescent periods. Recommended: PSYC 1301. F,S

CHLD 3343 Adult Development and Aging (3)
Personality, cognitive, social, emotional and biological processes involved in development from young adulthood through old age. Prerequisite: PSYC 1301. S

CHLD 3348 The Child in Society (3)
This course examines children and childhood in a cross-cultural perspective. Special attention is given to the position of children in the diverse US family structure and the educational system. Problems related to adoption, divorce, and the criminal justice system are examined. Prerequisite: SOCI 1301. 503, S05

CHLD 3380 Social Work I-Introduction to Social Work (3)
History of social work and its knowledge base and values; professionalization of social work; social service clientele and issues confronting the profession. F

CHLD 3390 The Family (3)
A historical and comparative approach in the examination of changing structure and functions of the family institution. The course provides a broad-based but intensive understanding of the family. Issues include the effect of economic, demographic and cultural changes on male-female relationships, sex roles, marriage and child care. Prerequisite: SOCI 1301 Summer03, Summer05, F04

CHLD 3404 Experimental Psychology (4)
Introduction to the planning and execution of psychological research. Prerequisites: PSYC 1301, CHLD 3301. F,S

CHLD 4303 Social Research Methods (3)
The course provides a comprehensive overview of social science research methods, with emphasis given to the concepts used in the conduct of research, measurement strategies, and research designs. Prerequisite: CHLD 3301. S

CHLD 4307 Health Psychology (3)
Examination of the role of behavioral science knowledge and techniques in understanding, assessing, testing and preventing medical-psychological and social problems. Prerequisite: PSYC 1301 or approval of Instructor. F

CHLD 4310 Early Intervention (3)
This course focuses on issues related to young children who exhibit atypical development including the roles families and professionals in the field play in facilitating development. F

CHLD 4311 Development and Learning in Young Children (3)
This course focuses on the factors contributing to the social-emotional development of the young children. The importance of play on development is emphasized. Prerequisite: CHLD 3341. S, Summer, F03, F05

CHLD 4312 Cognitive Psychology (3)
Research and theories of cognitive processes, including concept learning, problem solving, memory, attention, and language development and maintenance. Prerequisite: PSYC 1301. F

CHLD 4320 Social Stratification (3)
Focuses on theories of social inequality as applied to the exercise of power and large-scale social control. Issues of class, race and gender and other inequalities are considered in the U.S. and globally. Prerequisite: SOCI 1301. F

CHLD 4321 Social Work Intervention: Marriage and Family (3)
Opportunity to learn theory and skills required to implement change in marriages and families. Emphasis is on interactional processes between the social worker and family members. S

CHLD 4329 Language Acquisition and Development (3)
The course focuses on the development of the young child's first language(s) including theories explaining development, developmental stages, and connection between oral language and the development of reading and writing. It also covers the process of second language acquisition for social and academic purposes. Prerequisites: admission to Teacher Education Program or permission of Instructor. F, S, Summer
CHILD 4351 Tests and Measurement (3)
Major personality and intelligence tests, emphasis upon their construction, administration, scoring and interpretation. Prerequisites: PSYC 1301, CHLD 3301. S

CHILD 4370 Family Dysfunction and Substance Abuse (3)
The role of substance abuse in family violence, child rearing and marital discord. Various ways of intervening to moderate the effects of substance abuse in families will be discussed. Prerequisite: SOCI 1301. F03, F05, Summer03, Summer05

CHILD 4381 Psychology of Women (3)
Survey of critical issues in social relations, mental health, and legal matters involving women. Includes analysis of innate and environmental determinants of sex differences. Prerequisite: PSYC 1301. F04

CHILD 4389 Selected Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. May be acceptable for graduate credit. F5

CHILD 4391 Independent Study in Child & Family Studies (3)
Study of research under supervision of a member of the faculty. Students wishing to enroll should prepare a short plan for this coursework. Prerequisites: Senior standing and CHLD 3404. F5

CHILD 4399 Senior Research Seminar (3)
A scientific research study under the supervision of a member of the Sociology or Psychology faculty. The integration of theory and research is emphasized through basic or applied social research. Prerequisites: senior standing and CHLD 3301 and CHLD 3404 or 4303. F5

Rebecca Oekerman, EdD
Graduate Program Head for Early Childhood
Associate Professor of Education

Dr. Oekerman is an experienced early childhood teacher and program director. As past president of the Midland ISD School Board, she also brings that perspective to her teaching. Her research focuses on defining and implementing developmentally appropriate learning environments for young children.
## DEGREE PLAN: B. A. in CHILD AND FAMILY STUDIES

### GENERAL EDUCATION REQUIREMENTS (44 sch):
- English Composition, 6 sch, 1301 & 1302
- Literature, 3 credits, 2322, 2323, 2327, or 2328
- U.S. History, 6 credits 1301 & 1302
- U.S. and State Government, 6 credits 2301, 2302
- Lab Sciences, 8 credits (2 courses)
- Mathematics (college algebra or above), 3 credits
- Statistics (CHLD 3501), 3 sch
- Communication, 3 credits (1 course)
- Visual and Performing Arts, 3 credits (1 course)
- Social Science, 3 credits (1 course)

### NOTES ON GRADUATING:
1. Read the U. T. Permian Basin catalog and be familiar with the University's requirements for the B. A. degree. It is recommended the student's Responsibility to read the catalog and be familiar with and fulfill all the requirements for the B. A.
2. Complete at least 120 semester credit hours for the B. A.
3. At least 54 credits must be at the junior or senior level. At least 30 of these must be completed at U. T. Permian Basin.
4. Obtain at least a "C" grade in all courses counting toward the major. Maintain at least a grade point average of 2.0 in all courses applicable toward the B. A. degree.

### A. CORE COURSES (18 sch)
- SOCI 1301 Introduction OR PSYC 1301 Introduction (cannot be used for GenEd)
- CHLD 3341 Child/Adolescent OR TECA 1354 Child Growth & Development **
- CHLD 3348 Child in Society OR CHLD 4520 Social Stratification
- CHLD 4310 Early Intervention
- CHLD 4303 Social Research Methods OR CHLD 3404 Experimental Psychology (Statistics is a prerequisite for this course.)
- CHLD 3390 The Family OR CHLD 4381 Psychology of Women OR TECA 1303 Family and the Community **

**TECA courses available at Texas Community Colleges

### B. TRACKS (12 sch): Students have a choice of track and can begin working on that track after completion of 9 semester credit hours (sch) of core courses.

#### Learning & Development Track
**Required:** CHLD 4311

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<tr>
<th>Choose one course from each group</th>
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<tr>
<td><strong>Development</strong></td>
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<tr>
<td>CHLD 4329 or CHLD 3310 or TECA 1311**</td>
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<tr>
<th>Family Issues</th>
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<tr>
<td>CHLD 3348 or CHLD 3390 or CHLD 4370</td>
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<tr>
<th>Exceptionalities</th>
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<td>CHLD 4310 or CHLD 3352</td>
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#### Social Agencies Track
**Required:** CHLD 4399

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<th>Choose one course from each group</th>
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<tr>
<td><strong>Theoretical Focus</strong></td>
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<td>CHLD 4320 or CHLD 3348 or CHLD 3390 or CHLD 4389</td>
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<tr>
<th>Social Work Focus</th>
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<td>CHLD 3380 or CHLD 4321 or ACCT 2301 or COSC 1335</td>
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<tr>
<th>Special Topics Focus</th>
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<tr>
<td>CHLD 4361 or CHLD 4307 or CHLD 4370 or TECA 1318**</td>
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#### Applied Research Track
**Required:** CHLD 4399

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<th>Choose one course from each group</th>
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<tr>
<td><strong>Developmental Studies</strong></td>
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<td>CHLD 4345 or CHLD 3348 or CHLD 4361 or CHLD 4370</td>
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<th>Psychological Studies</th>
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<td>CHLD 3311 or CHLD 4311 or CHLD 4307 or CHLD 3321 or TECA 1318**</td>
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<th>Research Studies</th>
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<tr>
<td>CHLD 4361 or CHLD 4389 or COSC 1335</td>
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### C. Elective Courses (6sch) selected from the following:
Visual and Performing Arts, English, History, Communication, Bilingual Education, Education for Children with Special needs, Multicultural Education, Math, Science, or Computer Science:

1) ____________
2) ____________

### MINOR:
Students are advised to select a minor other than Special Populations or Bilingual/ESL. In general, a minor is 18 sch of which 12 sch must be upper-level. Please consult the catalog for specific minor requirements.

1. ____________
2. ____________
3. ____________
4. ____________
5. ____________
6. ____________

UTPB 2003–2005 Undergraduate Catalog 121
Coaching Minor

The Kinesiology faculty recognizes that some students are attracted to a Kinesiology Minor because they wish to coach athletes in a K-12 or a college and university setting. If a student desires to coach athletes as their primary professional goal, they are strongly encouraged to major in Kinesiology. For those students who plan to coach as an avocation, the Coaching Minor may be appropriate. While this minor requires an additional 6 semester credit hours above the Kinesiology Minor, it does include those courses that are direct applicability to coaching.

A Coaching Minor may be obtained by successfully completing the following 25 semester credit hours in Kinesiology:

1. KINE 3360: Coaching of Sports (3 credits)
2. KINE 2370: Care and Prevention of Athletic Injuries (3 credits)
3. KINE 2385: Anatomy and Physiology for Kinesiology (3 credits)
4. KINE 3350: Exercise Physiology (3 credits)
5. KINE 3151: Lab: Exercise Physiology (1 credit)
6. KINE 4310: Sport Skill Analysis (3 credits)
7. KINE 4320: Sport Psychology (3 credits)
8. KINE 4340: Sociology of Sport (3 credits)
9. Kinesiology elective - upper division (3 credits)

Physical activity courses, including those labeled KINE 1109 or KINE 1159, are encouraged, but do not count toward the 25 semester credit hour requirement.

For additional information please locate the Kinesiology section of this catalog.
Communication

Administered by the Department of Humanities and Fine Arts within the College of Arts and Sciences.

A wonderful part of the new technologies of communication is the way they strengthen our sense of traditions. The program at U. T. Permian Basin is an effort to focus on how traditions emerge in new forms and how we use media to enhance our understanding and appreciation of our culture. The degree program in Communication provides foundations for students interested in careers in communication fields and further study.

**General Education**

44 credits

Complete the General Education Requirements section of this catalog. Generally, COMM 2301 is recommended to satisfy the social science requirement and a statistics course is recommended to satisfy a math requirement. Students are encouraged to discuss options with their advisor.

**Computer Use**

It is expected that all Mass Communication majors and minors possess basic computer skills. Many classes in the communication program require that all assignments be completed using a personal computer. Regular use of email, browsers, spreadsheet, word processing and graphic software on multiple platforms is incorporated into the fabric of the curriculum.

**Major Requirements**

The major in Communication requires that students complete 42 hours of upper level course work in the 120 hour curriculum. Students are encouraged to use elective hours in a broad spectrum of the arts and sciences.

The major requires a minimum of 36 hours and a maximum of 45 hours of COMM courses including the following courses required of all majors (15 hours):

- COMM 2301 Modern Media and Society or
- COMM 1307 Introduction to the Study of Communication 3
- COMM 1318 Interpersonal Communication or
- COMM 2333 Small Group Communication 3
- COMM 2311 Writing for Media 3
- COMM 3360 Theories of Communication 3
- COMM 4390 Seminar in Communication or
- COMM 4392 Internship 3

The remaining 21 hours will be COMM electives or other electives described below. COMM majors are required to earn a minor of at least 18 hours. Of the 36 hours required in COMM, 18 must be completed at the 3000 level or higher. In selecting a minor field, students are encouraged to seek a broad scope of interests.

Either or both of the following courses may be substituted for upper level hours in COMM except that courses counted toward the major requirements cannot also fulfill a requirement for the student's minor field. Prerequisites for these courses will not apply to the COMM requirements.

- MRKT 3300 Principles of Marketing 3
- PSYC 3301 Introductory Statistics 3

Hours earned toward the major requirements from COMM 1159, 3159 and 4392 may not exceed 9 hours total.

**Collaboration with Odessa College**

Many communication courses are offered in collaboration with Odessa College. Some classes meeting at each campus will have common enrollments. The collaboration allows students to take advantage of the resources at both institutions and promises students with AA degrees from Odessa College maximum transfer credit at UTPB.

**Areas of Concentration**

In consultation with the Academic Advisor, the student will select one of the four areas of concentration and generate a degree plan. Specific requirements of the concentrations in Public Communication, Visual Communication, Communication Instruction, and Communication are detailed below.
1. **Public Communication.** This concentration focuses on theory and application of communication principles, and is designed for students interested in careers in corporate communication, advertising, or public relations.

   (a) Six credit hours selected from the courses below: 6 credits
   - COMM 2361, Media in the United States
   - COMM 3319, Topics in Media Writing
   - COMM 4315, Communication Law
   - COMM 4330, Advertising Strategies

   (b) 15 credit hours of COMM elective coursework selected in consultation with the academic advisor. 15 credits

2. **Visual Communication.** This concentration focuses on theory-driven production of media messages and is designed for students interested in media production.

   (a) COMM 1159, Media Production, or COMM 3159, Media Production II 3 credits

   (b) COMM 3304, Public Messages or COMM 4330, Advertising Strategies 3 credits

   (c) COMM 2318 Advanced Reporting or COMM 3319 Advanced Reporting Topics 3 credits

   (d) 12 credit hours of COMM elective coursework selected in consultation with the academic advisor. 12 credits

   Visual communication requires that students minor in Art as specified below:

   - ARTS 1311, Two-Dimensional Design 3 credits
   - ARTS 1316, Introduction to Drawing, or ARTS 2310, Figure Composition I 3 credits
   - ARTS 2370, Visual Communication I 3 credits
   - ARTS 3300, Cross Cultural Art 3 credits
   - 6 credit hours of ARTS elective courses, all of which must be taken at the junior and senior levels (3000/4000 number courses) 6 credits

3. **Communication Instruction.** This concentration combines a theoretical understanding of communication and preparation for teaching in grades K-12.

   (a) COMM 2301, Modern Media and Society 3 credits

   (b) COMM 4320, Communication and Instruction 3 credits

   (c) COMM 4355, Academic Debating 3 credits

   (d) 12 credit hours selected from the course menu below: 12 credits
   - COMM 2333, Small Group Communication
   - COMM 3355, Advanced Public Speaking
   - COMM 2341, Oral Interpretation
   - COMM 3370, American Oratory
   - COMM 4309, Group Performance

   Students must contact U. T. Permian Basin's School of Education for assistance in planning specific course and testing requirements for teacher certification. Specific pedagogy and content courses as are specified in the School of Education certification requirements. **Recommended: 24 credit hours in a second teaching field. These hours substitute in whole for the minor requirement.**

4. **Communication.** This concentration focuses on a broad based understanding of human communication.

   Each student will, in consultation with a faculty advisor, generate 21 credits
   a course of study uniquely suited to the student's educational and career plans.

**Internships in Communication**

Internships are a traditional component of many communication programs and they are encouraged at U. T. Permian Basin. An internship gives the student the opportunity to work with a professional media-based organization for 100 or more hours during a semester. Students also conduct independent research into the area of their internship and report the results of their research.
and work experience. Students who are employed in a media-based organization may enroll in internship programs only if their internship experience is removed from their normal daily activity.

Minor in Communication

A minor in communication is an ideal match for any major offered at U. T. Permian Basin. Because communication skills are an essential component of success in most fields of endeavor, the minor in Communication is an excellent companion to any major offered at the University. The requirements for a minor in Communication are 18 credit hours (9 upper level) including:

- COMM 2301 Modern Media and Society or
- COMM 1307 Introduction to the Study of Communication 3
- COMM 2317 Writing for Media 3
- COMM 3360 Theories of Communication or
- COMM 4390 Seminar in Communication 3
- Communication electives 9

Hours earned toward the minor requirements from COMM 1159, 3159 and 4392 may not exceed 9 hours total.

On the Web

The Communication website has additional information and is updated frequently. Check the website for sample course syllabi and the current schedule of classes. The site also provides updates on special courses or educational opportunities. The COMM website is located:  

ExCET/TEXES Requirements

Candidates for ExCET tests in Journalism must have completed the courses listed for each area below or equivalent courses in their teaching fields.

Journalism: COMM 2301 or 1307, 2311, 2321, 2361, 3319, 3360, 4315, 3304, 6 elective hours in COMM.  
Speech: COMM 2301, 1307, 2333, 3355, 2341, 3360, 4320, 4355, 6 elective hours in COMM.

Course Listing

COMM 1159 Media Production (1)  
An introduction to production techniques for various media. Students will participate in producing content for multimedia environments. Course may be repeated. F, S

COMM 1307 Introduction to the Study of Communication (3)  
An introductory course that surveys the history, development, and future directions of the field of communication. Equal emphasis is placed on understanding application of theory to everyday situations and learning introductory approaches to research. S

COMM 1315 Introduction to Public Speaking (3)  
A course in the history, theory and practice of public speaking with an emphasis placed upon the organization and delivery of informative and persuasive speeches. Further emphasis is given to the reduction of anxieties associated with public speaking. Fills general education core curriculum “Oral Communication” requirement. F, S

COMM 1318 Interpersonal Communication (3)  
This course enables students to analyze and practice communication in one-on-one relationships. Topics include problem-solving, decision-making, working with diversity, information processing, understanding of self and others, and effective speaking and listening skills in interpersonal contexts. Fills general education core curriculum “Oral Communication” requirement. S

COMM 1321 Business and Professional Communication (3)  
A course which places emphasis upon the principles, skills and non-verbal techniques necessary for effective communication in the professional contexts. Emphasis is placed upon effective interviewing, group discussion, oral presentations, and speech writing. Fills general education core curriculum “Oral Communication” requirement. S

COMM 1336 Television Production (3)  
Planning, staging and presenting television programs. F, S
COMM 2301 Modern Media and Society (3)
Students are introduced to the relationship between modern media and their dynamic interaction with culture. Fulfills social science requirement. F

COMM 2303 Audio and Radio Production (3)
Introduction to writing and editing for audio production. Laboratory practice in digital and analog techniques. S04

COMM 2311 Writing for Media (3)
Introduction to writing styles for different forms of media. Includes an introduction to journalistic practices and reporting skills. F, S

COMM 2318 Advanced Reporting (3)
Advanced practice in writing for media. Emphasis will be placed on feature stories for print and multimedia. S

COMM 2321 Visual Communication (3)
An introduction to the basic elements of visual language and design as they apply to the use of a computer as a communication medium. Computer technologies used in creative expression will be presented. S04

COMM 2333 Small Group Communication (3)
Introduction to communication in small groups. Emphasis is placed on the concept of leadership, effective participation and problem solving. F03

COMM 2341 Oral Interpretation (3)
A performance course centered upon the study and practice of the theories and techniques for analyzing and orally interpreting various literary forms. S05

COMM 2356 Photography (3)
Introduction to communicating through black and white photography. Laboratory experiences in exposure and film developing. F04

COMM 2361 Media in the United States (3)
An exploration of the history of the economic, social, and technical forces that have shaped and influenced the media industry in America. S04

COMM 2389 Multilisting Course (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

COMM 3159 Media Production II (1)
Advanced laboratory and practical experience in production techniques for various media. Students will participate in producing content for multimedia environments. Course may be repeated. F5

COMM 3304 Public Messages (3)
An exploration of how various research techniques used to identify public groups are translated in messages in various media. Prerequisite: COMM 2301 or COMM 1307. F05

COMM 3319 Topics in Media Writing (3)
The study and practice of preparing messages for various media. Specific topics and concentrations will vary. May be repeated for credit when content changes. Prerequisite: COMM 2311 or equivalent. F5

COMM 3335 Advanced Interpersonal Communication (3)
An exploration of the theoretical perspectives in understanding person-to-person communication. The course includes personal and professional perspectives. Prerequisite: COMM 1318 or permission of the instructor. S05

COMM 3342 Non Linear Production (3)
Introduction to nonlinear editing concepts and technologies for multimedia. Focuses will include audio and video editing and two-dimensional animation. Prerequisite: COMM 2321 or permission of instructor. S04

COMM 3355 Advanced Public Speaking (3)
An advanced practice-oriented course in speaking in the public setting. Students will research, prepare, analyze and present complex reports and speeches. Prerequisite: COMM 1315 or COMM 1316 or permission of the instructor. Fulfills general education core curriculum "Oral Communication" requirement. S05
COMM 3360 Theories of Communication (3)
Survey of communication theory including approaches to understanding media influences on society and theories of human interaction. Prerequisite: 6 credit hours of COMM coursework. S05

COMM 3370 American Oratory (3)
A historical study of significant speakers and speeches in American history with an emphasis on the development of a uniquely American approach to public address and its influence on the development of rhetorical theory and practice. S06

COMM 3375 Political Communication (3)
A study of the application of communication principles to election campaigns, debates, governance and advertising with emphasis on both the historical and contemporary uses of mass media in the political process. F04

COMM 3389 Multilisting Course (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

COMM 4307 Organizational Communication (3)
An examination of the complex dynamics that drives messages in organizations. The course will focus on application of nonlinear dynamic approaches to human and mediated communication in an organizational environment. Prerequisite: 6 hrs COMM or permission of instructor. F03

COMM 4308 Intercultural Communication (3)
An examination of the theory and practice of interactions among and between various cultural and sub-cultural groups. Emphasis will be placed on how the various cultural assumptions affect human symbolic interaction and relationship-building at the interpersonal and cultural levels. S04

COMM 4309 Group Performance (3)
A course exploring the principles and practices of performing in groups in such contexts as Readers' Theatre, Radio Drama, Performance Art. May be repeated with change in course focus. S04

COMM 4310 Multimedia Production (3)
Advanced study of computer concepts for multimedia production. Includes an introduction to three-dimensional graphics. Prerequisite: COMM 3342. S05

COMM 4312 Oral History Research (3)
Students will produce audio documentary programs with digital production and editing equipment. Prerequisite: COMM 2303. F05

COMM 4315 Communication Law (3)
Legal aspects of rights and responsibilities of the press, radio and television including libel, privilege, copyright and access to information. Prerequisite: COMM 2311 or equivalent. F04

COMM 4320 Communication and Instruction (3)
A study of how communication functions in instructional settings with emphasis on student-teacher interaction. Includes techniques for assigning and evaluating oral presentations, dealing with communication apprehension, fostering effective listening and conducting discussions. F05

COMM 4330 Advertising Strategies (3)
The economic and persuasive foundations of advertising and public relations are examined using case studies. Prerequisite: 9 credit hours of upper level COMM coursework. F05

COMM 4340 Group Leadership (3)
This course takes an in-depth look at how theories of communication and group leadership support one another. Students learn to analyze and practice methods of leadership communication including creative thinking models, decision-making techniques and parliamentary procedure. Prerequisite: COMM 3340 or Permission of Instructor. F05

COMM 4355 Academic Debating (3)
How to teach, coach and judge competitive debate at the secondary or college level. The course will include the process, strategy and practice of various debate styles; coaching pragmatics and judging paradigms. Prerequisite: COMM 1315. S05

COMM 4356 Argument and Persuasion (3)
A detailed examination of the history and development of effective argument and persuasion. Emphasis will include theories of argument and their role in media and society. Prerequisite: COMM 3345 or permission of the instructor. S06

UTPB 2003–2005 Undergraduate Catalog 127
COMM 4361 Communication Research (3)
Research methods in communication including data gathering and analysis. Prerequisite: 15 credit hours of upper-level COMM coursework or permission of instructor. S06

COMM 4370 Digital Imaging (3)
A laboratory based course that emphasizes the manual (computer-based) generation of imagery from the camera, through editing and manipulation, to output. Prerequisite: COMM 2321 or equivalent. F05

COMM 4379 Topics in Rhetoric (3)
Studies in the history, theories and methodologies of rhetoric. Course may be repeated with change in topic.

COMM 4390 Seminar in Communication (3)
Senior seminar in communication. Topics will vary according to class interests. Prerequisite: 18 credit hours of COMM coursework. F

COMM 4391 Contract Study (3)
Advanced independent study or research (equivalent to senior-level course).

COMM 4392 Internship (3)
Participation in and analysis of applied communication in a professional context. Prerequisite: 15 credit hours of COMM. F, S
DEGREE PLAN: BA IN COMMUNICATION

GENERAL EDUCATION REQUIREMENTS (44 sch):

- English Composition, 1301 & 1302
- Sophomore Literature, 2322, 2323, 2327, 2328
- U. S. History, 1301 & 1302
- U.S. and State Government, 2301 & 2302
- Visual/Performing Arts (3 sch)
- Laboratory Science (8 sch)
- Social Science (3 sch)
- Speech 1315 (3 sch)
- Mathematics (3 sch)
- Mathematics (Statistics recommended)

MAJOR REQUIREMENTS (36-45 sch):

All Communication majors must complete between 36 and 45 sch to include a core plus an Area of Concentration. At least 18 sch of Communication must be taken at the upper level:

- COMM 2301 Modern Media and Society OR
- COMM 1307 Intro to Study of Communication
- COMM 1318 Interpersonal Communication OR
- COMM2333 Small Group Communication
- COMM 2311 Writing for Media
- COMM 3360 Theories in Communication
- COMM 4390 Seminar in Communication OR
- COMM 4392 Internship

Either or both of the following courses may be substituted for upper level Communication elective courses but cannot count toward the minor:

MRKT 3300, Principles of Marketing
PSYC 3301, Introduction to Statistics

For the remaining 21 hours students will choose one of the following Areas of Concentrations:

I: Public Communication. 5 core courses plus 6 sch from the following courses combined with 15 sch from the Elective Section:

- COMM 2361, Media in the United States
- COMM 3319, Topics in Media Writing
- COMM 4315, Communication Law
- COMM 4330, Advertising Strategies

II: Visual Communication. 5 core courses plus 9 sch from the following courses combined with 12 sch of Communication electives: (MINOR MUST BE ART)

- COMM 1159, Media Production, OR
- COMM 3159, Media Production II (3 sch)
- COMM 3304, Public Messages OR
  COMM 4330, Advertising Strategies
- COMM 2318, Advanced Reporting OR
  COMM 3319, Advanced Reporting Topics

III: Communication Instruction. 5 core courses plus the 3 courses listed below and 12 sch from the Selected Courses section which follows the 3 required courses

- COMM 2301, Modern Media and Society
- COMM 4320, Communication and Instruction
- COMM 4355, Academic Debating

Selected Courses for Communication Instruction (12 sch):

- COMM 2333, Small Group Comm.
- COMM 2341, Oral Interpretation
- COMM 3355, Advanced Public Speaking
- COMM 3370, American Oratory
- COMM 4309, Group Performance

IV: COMMUNICATION: 5 core courses plus 21 sch chosen in consultation with Communication faculty.

MINOR:

Students must complete a minor. Specific details regarding minor requirements will be found in the catalog. In general, a minor consists of 18 sch, 12 of which must be taken at the upper level.

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UTPB 2003-2005 Undergraduate Catalog 129
Computer Science

Administered by the Department of Science and Mathematics within the College of Arts and Sciences.

The Bachelor of Science degree in Computer Science gives students the opportunity to obtain a thorough understanding of computers and their applications, and in the design and analysis of software and hardware systems for use in scientific and/or business environments.

Degree Requirements

The total credits required for a B.S. in Computer Science is 120.

General Education

Students must complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog. The courses in laboratory sciences (as part of the General Education Core) must form a two course sequence.

Computer Use

All majors must demonstrate a basic use of JAVA through completion of COSC 1430 and COSC 2430.

Major Requirements

All beginning students are expected to take COSC 1430 and 2430 or the equivalent before starting the major courses. These courses introduce general computer concepts and applications and develop programming skills. To complete the major program language requirements, the student will be expected to demonstrate programming competence in a second general purpose high level language. This competency can be demonstrated through the successful completion of a course in an approved language or through programming projects specified by the faculty.

All plans of study in Computer Science include a common core of courses:

- COSC 3310 Digital Computer Organization
- COSC 3312 Discrete Mathematics
- COSC 3315 Information Systems Design
- COSC 3420 Data Structures

In addition to the common core, the student majoring in Computer Science is required to complete five advanced Computer Science courses including 3-6 hours of COSC 4395. These courses will be determined in consultation with the Computer Science faculty. In support of the major courses, the student is required to complete the Calculus sequence through MATH 2415, MATH 3301, and at least one additional mathematics course selected from MATH 3305, 3310, 3315 and 3320. Students at U. T. Permian Basin majoring in Computer Science are required to have a minor. The choice of the minor is up to the student but should be selected to further the student’s education objectives.

No more than 45 semester credit hours of Computer Science may be applied toward the 120 semester hour minimum required for a degree.

Additional requirements:

1. The courses in laboratory sciences (as a part of the General Education Core) must form a two semester sequence.
2. One additional English Literature course (2000 or 3000 level).
3. Two capstone courses: NTSC 4301 and NTSC 4311.

Computer Science as a minor

Students seeking a minor in computer science must complete the courses listed below, or equivalent courses as approved by a computer science advisor.
COSC 1430 Introduction to Computer Science I 4
COSC 2430 Introduction to Computer Science II 4
COSC 2320 C Programming, or another course in a high level 3/4
Language approved by the advisor
COSC 3310 Digital Computer Organization 3
COSC 3315 Information Systems Design 3
COSC 3xxx or 4xxx 3/4

TOTAL 20/22

Faculty in Computer Science may allow transferred credits to count towards a major or a minor in Computer Science. The number of credit hours required, at the upper-level or in total, can not be reduced except by academic petition.

Teacher Certification and TExES/ExCET Requirements

Candidates for TExES/ExCET tests in Computer Science must complete the courses listed below, or equivalent courses as approved by a computer science advisor.

COSC 1430 Introduction to Computer Science I 4
COSC 2430 Introduction to Computer Science II 4
COSC 2320 C Programming, or another course in a high level 3/4
Language approved by the advisor
COSC 3310 Digital Computer Organization 3
COSC 3315 Information Systems Design 3
COSC 3420 Data Structures 4
COSC 3xxx or 4xxx 3/4

TOTAL 24/26

Course Listing

COSC 1335 Computers and Problem Solving (3)†
Introduction to basic issues related to computer aided problem solving. Computational problems will be studied using software packages, including spreadsheets and database systems. Use of the Internet and the World Wide Web, as problem solving resources is introduced. Basics of computer systems will be introduced. Same as Business Field of Study course COSC/BCIS 1305. Prerequisites: College Algebra or equivalent FS

COSC 1389 Multi Listing Freshman Course (3)
Freshman courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

COSC 1430 Introduction to Computer Science I (4)
Computer organization, algorithm design, programming, and elementary data structures. Introduction to programming in a high-level language. Prerequisite or Corequisite: Math 1332 or 1324 or 2412 or equivalent. FS

COSC 2320 C Programming (3)
Programming in C, investigating the characteristics and implementation. Prerequisite: COSC 2430. F

COSC 2430 Introduction to Computer Science II (4)
Continuation of COSC 1430. Data structures, data abstraction, information hiding, Advanced programming in the language of the current COSC 1430. Prerequisite: COSC 1430. FS

COSC 3310 Digital Computer Organization (3)
Design of arithmetic, control and memory units, binary data representation, error-detecting and error-correcting codes. Prerequisite: COSC 2430. FS

COSC 3312 Discrete Mathematics (3)
Elementary logic, sets (including mathematical induction), elementary probability, combinations, modular arithmetic and permutation groups. Prerequisite: Math 2414. FS

COSC 3315 Information Systems Design (3)
Computer systems and relationships between hardware and software components. Emphasis on business system design and analysis. Prerequisite: COSC 2430. FS
COSC 3360 Computer Ethics (3)
An introduction to the responsibilities generally, and the ethical behavior specifically, expected of the computer and information systems professional. Includes the philosophical bases of ethical decision-making and the application of these principles to issues that arise in computing and information systems. Discussion of ethical standards as established by governmental bodies and professional organizations. Prerequisite: COSC 3315. F

COSC 3420 Data Structures (4)
Design and implementation of data handling structures such as linear lists, linked lists, stacks, queues, graphs, trees and strings. Prerequisites: COSC 2430 and COSC 3312. FS

COSC 4330 Operating Systems (3)
Resource allocation including processors, main memory, I/O subsystems, and software resources. Prerequisites: COSC 3310, 3420. S

COSC 4335 Distributed Informational Systems
Study of network-based information systems, including distributed database systems. Prerequisite: COSC 4415. 505

COSC 4350 Artificial Intelligence (3)
Analysis of information content by statistical, syntactic, semantic and heuristic methods and systems which answer questions, play games, prove theorems and recognize patterns. Prerequisites: COSC 3310, 3420, MATH 2415. S04

COSC 4370 Data Communications (3)
Design and development of computer networks, network types, protocols; transmission rates and data integrity. Prerequisites: COSC 3310 and permission of the instructor. Summer03

COSC 4390 Theory of Computation (3)
Turing machines, Church's thesis, recursive functions, computability, and computational complexity. Prerequisite: COSC 3312 or MATH 3315. Summer04

COSC 4415 Database Systems (4)
Survey of network, hierarchical and relational database systems, their design and operation. Prerequisites: COSC 3315. F04

COSC 4425 Programming Algorithms (4)
Investigation of programming strategies, and the analysis of sequential and parallel algorithms to optimize them from memory and time constraints. Prerequisite: COSC 3420. F03

COSC 4455 Multimedia and Web Development
Use of software development tools for construction of multimedia and Web pages, including an introduction to HTML and XML. Students will utilize industry standard tools for processing graphics, animation, audio, and video. Prerequisite: COSC 3315. S04

COSC 4460 Software Engineering (4)
Fundamental Concepts and General Principles for information systems development. Visual modeling, software development life cycles, CASE tools, Web-based information systems. F

COSC 4475 Distributed Systems (4)
An introduction to the concepts of distributed processing. Topics include distributed architectures, distributed operating systems and programming languages, and distributed algorithms. Prerequisite: COSC 3310, 3420. F04

COSC 4480 Programming Languages (4)
Fundamental concepts and general principles underlying the structure of high level programming languages in current use. Prerequisites: COSC 3420, knowledge of two high level programming languages. COSC 3310 is recommended. S03

COSC 4399 Multi Listing (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog and may be acceptable for graduate credit.

COSC 4391 Contract Study (3)
Advanced independent study or research (equivalent to senior level course). These courses will not count for graduate credit

COSC 4395 Research (1-3)
Research in a selected field of computer science. Prerequisite: consultation with the major advisor and permission of the research sponsor. May be repeated for credit. FS

† Course fulfills general education requirements.
DEGREE PLAN: BS IN COMPUTER SCIENCE

General Education Requirements:
___ English Composition, 1301 & 1302
___ Literature, ENGL 2322, 2323, 2327, or 2328
___ U.S. History, 1301 & 1302
___ U.S. and State Government, PLSC 2301 & 2302
___ Communication, COMM 1315, 1316, or 2310
___ Visual & Performing Arts
___ Social Science

MINOR;
A minor requires 18-24 sch of which 9 sch must be completed at the junior and/or senior level.

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DEPARTMENTAL REQUIREMENTS:
___ Literature at 2xxx, 3xxx, or 4xxx level
___ Science with lab: Biology, Chemistry, Geology, or Physics
___ Science with lab (companion to the above course
___ NTSC 4301 Environmental Ethics
___ NTSC 4311 History and Philosophy of Science

MATHEMATICS SUPPORT:
___ MATH 2413 Calculus I & Analytical Geometry
___ MATH 2414 Calculus II & Analytical Geometry
___ MATH 2415 Calculus III & Analytical Geometry
___ MATH 3301 Statistics
___ MATH 3305, 3310, 3315, or 3320

COMPUTER SCIENCE COURSES: (45sch maximum)
___ COSC 1430 Intro to Computer Science I (MATH 2412)
___ COSC 2430 Intro to Computer Science II (COSC 1430)
___ COSC 2xxx programming language
___ COSC 3310 Digital Computer Org (COSC 2430)
___ COSC 3312 Discrete Mathematics (MATH 2414)
___ COSC 3315 Information Systems Design (COSC 2430)
___ COSC 3420 Data Structures (COSC3312 & COSC 2430)
___ COSC 3xxx or 4xxx
___ COSC 3xxx or 4xxx
___ COSC 3xxx or 4xxx
___ COSC 3xxx or 4xxx
___ COSC 4395 Research

NOTES ON GRADUATING:
1. Read the U. T. Permian Basin catalog and be familiar with the University's requirements for the BS degree. It is the student's responsibility to read the catalog and be familiar with and fulfill all the requirements for the BS degree.
2. Complete at least 120 sch for the BS degree.
3. At least 54 sch must be at the junior or senior level. At least 30 of these hours must be completed at U. T. Permian Basin.
4. Students majoring in Computer Science seeking secondary certification are not required to complete a minor, but must complete a minimum of 24 sch in their second teaching field.
5. Obtain at least a 2.0 average in all General Education and minor courses and at least a "C" in all courses for the Computer Science major. Maintain at least a grade point average of 2.0 or "C" in all courses applicable toward the BS degree.
Criminal Justice (On Line)

Administered by the Department of Behavioral Science within the College of Arts and Sciences.

UTPB's undergraduate Criminology program is participating in an online consortium with The University of Texas campuses at Arlington (UTA), Brownsville (UTB), And Dallas (UTD). Through the consortium, it is possible for a student to earn a B.S. in Criminal Justice, entirely online, from either UTA or UTB. As this catalog went to print, UTPB was awaiting approval to offer the same degree. In the interim, with the approval of their academic advisors, UTPB students may register for criminal justice online courses (See Course Listing below). UTPB Criminology faculty should be consulted regarding the current status of UTPB's involvement in the online consortium.

The online B.S. degree in criminal justice offered by UTA and UTB - and likely to be offered by UTPB at some point - consists of 66 hours of required coursework which are intended to provide the student with an in-depth exposure to the American criminal justice system. There are no electives and no minor. Students wishing to pursue this degree should see a UTPB Criminology faculty member.

General Education Requirements

Students must complete the requirements shown in the General Education Requirements section on Pages 51-52 of this catalog.

Course Listing

* Note: For each course to be delivered by UTPB, the semesters during which the course will be offered appear in parenthesis after the course description. For the current schedules for courses to be offered by the other participating universities, go to http://www.telecam-pus.utsystem.edu/programs/criminal/criminal.html and click on Degree Plan and Course Schedule.

CCJO 4310 Introduction to the Criminal Justice System (UTA) (3)
An overview of the entire criminal justice system; history and development, law enforcement, prosecution and defense, courts and trial processes, and corrections. This course must be completed within the first 12 hours of study.

CCJO 4312 Criminal Justice Administration (UTPB) (3)
Administrative problems and their solutions in correctional and law enforcement programs. S

CCJO 4316 Theories of Criminal Behavior (UTPB) (3)
Principal theories of criminality and the application of these theories to research and corrections. F

CCJO 4320 Research Methods (UTA) (3)
This course introduces students to the research methodology used in criminal justice research. Emphasis is on the development of a general understanding of why and how research can be and is conducted in the field of criminology and criminal justice. Other dimensions of research are discussed including the nature of scientific thought, the link between research methods and criminological theory, and the various ethical issues concerning research in the field of criminology.

CCJO 4322 Legal Aspects of Evidence (UTB) (3)
Critically examines the legal controls on police officers, with special attention to current court decisions related to such issues as arrest, search and seizure, confessions, wiretapping and eavesdropping, right to counsel, and self-incrimination. Focuses on issues relating to elements of proof for major criminal offenses. Presents an understanding of the concepts of reasonable suspicion and probable cause which direct and control police responses to crime situations.

CCJO 4326 Legal Aspects of Corrections (UTB) (3)
Legal problems and principles from conviction to release, including consideration of convictions, imprisonment, sentencing, conditional release, post conviction procedures, prisoners' rights, probationers' rights, and validity of conviction.

CCJO 4330 The American Judicial Systems (UTA) (3)
Federal, state, and local judicial systems, with special emphasis on state trial courts having criminal jurisdiction. Court structure and function, court management, and judicial behavior.

CCJO 4332 Juvenile Delinquency and Justice (UTPB) (3)
A study of the juvenile justice system, theories of causation, the distribution and frequency of delinquency, correctional treatment, and prevention programs in modern society. S
CCJO 4336 Comparative Justice Systems (UTA) (3)
An overview of criminal justice systems in other countries. Includes an intensive study and analysis of materials on their law enforcement, judicial, and corrections components; review of comparative studies on a variety of criminal justice topics.

CCJO 4338 Senior Seminar in Criminal Justice (UTB) (3)
Provides a capstone course for criminal justice students nearing the completion of the baccalaureate degree (over 100 SCH). This course is designed to explore current criminal justice policy issues and integrate material learned in the criminal justice curriculum, transcending the parochial view of the crime phenomenon from an agency perspective (police, courts, juvenile justice, and corrections). This course allows the student to explore topical criminal justice policy issues as they effect each agency, from the micro to the macro perspectives and to assess the intended and unintended consequences of criminal justice policies throughout the system and society. This course will be taken near the end of the student's course of study.

CCJO 4350 Institutional Corrections (UTA) (3)
Examination and evaluation practices, issues and trends in institutional corrections. Emphasis is on administration, organization, and effectiveness of incarceration.

CCJO 4352 Criminal Careers and Behavior Systems (UTA) (3)
Study and analysis of criminal syndicates, corporate crime, criminal corporations, organized crime, and transnational criminal operations.

CCJO 4354 Ethics in Criminal Justice (UTPB) (3)
An examination of major ethical issues confronted by persons who work in the criminal justice system. Important appellate court decisions pertaining to those issues will also be reviewed. F

CCJO 4356 Probation and Parole (UTPB) (3)
History, philosophy and development of adult and juvenile probation and parole in the United States. F

CCJO 4358 Principles of Law Enforcement Supervision (UTB) (3)
Examines the principles involved in law enforcement supervision; principles of leadership; psychology involved in handling grievances and in building morale; duties and responsibilities of command level personnel; law enforcement budgeting procedures, supervisory problems and responsibilities relating to discipline; and internal affairs investigations.

CCJO 4360 Correctional Casework and Counseling (UTB) (3)
Examines the role and techniques of casework in corrections with emphasis on integrating casework and counseling responsibilities and procedures. The course includes examining of therapy techniques and process in various correctional settings and studying of service delivery programs tailored to the specific needs of correctional clients.

CCJO 4362 Seminar of Issues in Law Enforcement (UTB) (3)
Analyzes and discusses contemporary issues in policing with particular attention to current developments, service delivery, and the changing police role; integration established scientific knowledge with practical police experience in various areas of policing.

CCJO 4364 Police and the Community (UTPB) (3)
This course introduces students to the broad field of police-community relations, focusing on law enforcement and community response. Also emphasized are the origin, implementation, and evaluation of community policing. S

CCJO 4366 Special Topics: Gangs (UTB) (3)
Gives advanced undergraduate students the academic flexibility and opportunity to study contemporary issues in crime and criminal justice.

CCJO 4370 Ethnic and Gender Issues in Criminal Justice (UTA) (3)
An overview of ethnic and gender issues focusing on victims, offenders, and professionals in the criminal justice system.

CCJO 4372 Drugs and Behavior (UTPB) (3)
This course explores the origins, categories and treatments of mental, emotional and behavioral disorders ranging from relatively mild stress and anxiety disorders to the more severe schizophrenias and organic mental disorders. S, F

CCJO 4374 Homicide and Capital Punishment (UTD) (3)
The course will provide students with an analysis of the nature, extent, and distribution of criminal homicide, one of the most egregious crimes that can be committed. Topics will include: statutory definition of homicide; trends and patterns of homicide; mass and serial murder; and victim/offender relationships. The course will also comprehensively examine the controversy surrounding the application of capital punishment (i.e., the death penalty) as a fair, just, and effective response to homicide. Topics will include: capital punishment through history; U.S. Supreme Court decisions on capital punishment; capital punishment proceedings in Texas; and contemporary problems with the application of the death penalty.
DEGREE PLAN: BS IN CRIMINAL JUSTICE (ON LINE)

General Education Requirements (44 hours):
- English Composition (6 hours) 1301 & 1302
- U.S. History (6 hours) 1301 & 1302 recommended
- U.S. and State Government (6 hours) 2301 & 2302
- Physical or Life Science (8 hours) any science
- Literature (3 hours) at 2xxx level
- Mathematics (6 hours)
- Communication (3 hours) 1315 recommended
- Visual/Performing Arts (3 hours)
- Social Science (3 hours) (Soci., Psych., Econ)

NOTES ON GRADUATING:
1. Read the U. T. Permian Basin catalog and be familiar with the University’s requirements for the bachelor’s degree and the general education requirements for the degree. It is the student’s responsibility to read the catalog and be familiar with and fulfill all the requirements for this degree.
2. Complete at least 120 semester credit hours for this degree.
3. Students completing the Criminal Justice Online Degree Program must complete 66 semester credit hours from the courses listed to the right. All students pursuing this degree must complete the entire list.
4. Obtain at least a C grade in all major courses.
5. No minor is required for this degree.

In addition to the General Education Requirements, the BS in Criminal Justice requires completion of the following 66 semester credit hours of course work:
- CCJO 4310 Introduction to the Criminal Justice System
- CCJO 4312 Criminal Justice Administration
- CCJO 4316 Theories of Criminal Behavior
- CCJO 4320 Research Methods
- CCJO 4322 Legal Aspects of Evidence
- CCJO 4326 Legal Aspects of Corrections
- CCJO 4330 American Judicial Systems
- CCJO 4332 Juvenile Delinquency & Justice
- CCJO 4356 Comparative Criminal Justice Systems
- CCJO 4358 Senior Seminar in Criminal Justice
- CCJO 4350 Institutional Corrections
- CCJO 4352 Criminal Careers and Behavior Systems
- CCJO 4354 Ethics in Criminal Justice
- CCJO 4356 Probation and Parole
- CCJO 4358 Principles of Law Enforcement Supervision
- CCJO 4360 Correctional Casework and Counseling
- CCJO 4362 Seminar of Issues in Law Enforcement
- CCJO 4364 Police and the Community
- CCJO 4366 Special Topics: Gangs
- CCJO 4370 Ethnic &Gender Issues in Criminal Justice
- CCJO 4372 Drugs and Behavior
- CCJO 4374 Homicide and Capital Punishment
Criminology

Administered by the Department of Behavioral Science within the College of Arts and Sciences.

Students who major in criminology will obtain a Bachelor of Arts degree. Criminology is an interdisciplinary behavioral science which includes the study of law, the causes of criminal behavior and the agencies of social control which society has established to prevent and control crime.

The criminology program at U. T. Permian Basin is committed to the personal, analytical and professional development of its students. Many will choose to continue their education in graduate studies or law school, while others will accept employment in criminal justice agencies such as law enforcement, courts, corrections or other social service organizations. The criminology program is committed to developing the student’s sensitivity to the human and social condition, coupled with an understanding and ability to participate constructively in the improvement of both.

The criminology advisor will assist in developing a degree plan which best suits the needs of the individual student.

Transfer students should note that only those courses designated by the Texas Higher Education Coordinating Board as academic transfer courses and showing the CRIJ prefix will be accepted at U. T. Permian Basin. Courses showing WECM prefixes are not accepted in transfer even if the course is cross-listed with an academic transfer course.

Degree Requirements

The total number of semester credit hours required for a B.A. in Criminology is 120.

General Education Requirements 44 Semester credit hours

Students must complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog.

Computer Use

All Criminology majors must demonstrate a basic use of computing through completion of SOCI 3317, SOCI 4303, and CRIM 4399.

Criminology Major Requirements 33 Semester credit hours

Required for a Bachelor of Arts degree in Criminology are 33 semester credit hours. The five courses below are specifically required for the major. SOCI 3317, SOCI 4303 and CRIM 4399 must be taken in the sequence shown below.

- CRIM 2336 Introduction to Criminology
- SOCI 3317 Introductory Statistics
- SOCI 4303 Social Research Methods
- CRIM 4332 Theories of Criminal Behavior
- CRIM 4399 Senior Research Seminar

The maximum number of credits in the major is 54. Credits beyond this maximum will not be counted toward the 120 minimum hours necessary to graduate. All students must complete the 15 semester credit hours of required courses shown above, plus 18 semester credit hours from a selected list of criminology electives. In selecting courses, criminology majors, with the approval of their advisors, may choose from the list of courses associated with the online B. S. degree in Criminal Justice (CCJO). See pages 134-136.

Criminology Minor Requirements

A minor in Criminology consists of 18 hours of Criminology course work (to include CRIM 2336), of which 12 must be at the upper-level.
CRIM 2310 Police and Society (3)
Examination of the role of police in a democratic society. Topics include professionalism, police discretion, police-community relations, police-minority relations, use of force, and control of police behavior as well as other selected contemporary issues. S03, S05

CRIM 2336 Introduction to Criminology (3)  
An overview of theories and patterns of criminal behavior, and the behavior of police, courts and correctional agencies in processing criminal offenders. F

CRIM 3340 Criminal Justice Administration (3)  
Administrative problems and their solutions in correctional and law enforcement programs. F04

CRIM 3350 Social Deviance (3)  
Study of societal definitions and reactions to deviant acts in relationship to ethnicity, social class and legal institutions. Summer03, Summer05

CRIM 3355 Municipal Police Administration (3)  
An overview of police supervision and administrative practices with a special emphasis upon innovative patrol, tactical and investigative administrative procedures. Problems and special issues in police administration are also considered and evaluated. F04

CRIM 3365 Juvenile Delinquency and Justice (3)  
A study of the juvenile justice system, theories of causation, the distribution and frequency of delinquency, correctional treatment, and prevention programs in modern society. F04

CRIM 3389 Multi Listing Course (3)  
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

CRIM 4312 Criminal Procedure (3)  
Introduction to various aspects of criminal procedure; including the study of laws of arrest, search and seizure, evidence, and the analysis of constitutional limitations relating to different phases of the procedure. S03, S05

CRIM 4320 Corrections In America (3)  
Overview of social, cultural, behavioral, political, psychological, sociological and economic causative factors of crime. Appraisal of correctional methods involved in prisons, probation, parole, work-release, half-way houses, community-based corrections and other settings. F03, F05

CRIM 4321 Probation and Parole (3)  
History, philosophy and development of adult and juvenile probation and parole in the United States. S04

CRIM 4322 Legal Foundations of Corrections (3)  
Historical analysis of constitutional law, appellate and Supreme Court decisions and their impact upon correctional institutions and agencies. S03, S05

CRIM 4332 Theories of Criminal Behavior (3)  
Principal theories of criminality and the application of these theories to research and corrections. S04, S05

CRIM 4333 Law and Society (3)  
The relationship of law and society is studied through the history, philosophy and evolution of the law and legal institutions. Three major functions of law in modern society: social control, dispute resolution and social engineering are examined. Summer 03, S04,

CRIM 4334 Issues In Criminology and Criminal Justice (3)  
Survey of major philosophical, moral, and administrative issues in criminology and criminal justice. Specific topics may change as the issues and problems that confront the justice system change. S03, S05

CRIM 4381 Ethics in Criminal Justice (3)  
An examination of major ethical issues confronted by persons who work in the criminal justice system. Important appellate court decisions pertaining to those issues will also be reviewed. S04
CRIM 4382 The Police and the Community (3)
This course introduces students to the broad field of police-community relations, focusing on law enforcement and community response. Also emphasized are the origin, implementation, and evaluation of community policing. F05

CRIM 4389 Selected Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

CRIM 4391 Contract Study (3)
Advanced independent study or research (equivalent to a senior level course).

CRIM 4392 Internship in Criminal Justice (3)
A supervised field experience in a criminal justice, juvenile justice or related agency. Students are offered the opportunity to gain the knowledge, methods and skills of the agency and will further complete an academic assignment as established by the instructor. Prerequisite: 12 upper division hours in criminology and the consent of the instructor. F

CRIM 4399 Senior Research Seminar (3)
A scientific research study under the supervision of a member of the criminology faculty. The integration of theory and research is emphasized through basic or applied research. Prerequisites: senior standing and SOCI 3317 and SOCI 4303. F

† Course fulfills general education requirements.

C. Wayne Johnston, PhD
Associate Professor of Criminology

Dr. Johnston was a police officer and police investigator for 15 years. He received his Masters degree in Justice Studies and his Doctorate degree in Public Administration from Arizona State University. His research interests include public/policy policy, Justice Administration, and discretion in the Criminal Justice System. He has published several articles and developed the On-Line Completion Degree for the University of Texas of the Permian Basin.
DEGREE PLAN: BA IN CRIMINOLOGY

General Education Requirements (44 hours):

___ English Composition (6 hours) 1301 & 1302
___ U.S. History (6 hours) 1301 & 1302 recommended
___ U.S. and State Government (6 hours) 2301 & 2302
___ Physical or Life Science (8 hours) any science
___ Literature (3 hours) at 2xxx level
___ Mathematics (6 hours) *
___ Communication 1315 recommended
___ Visual/Performing Arts (3 hours)
___ Social Science (3 hours) (Soci., Psyc., Econ)

*MATH 1332 & SOCI 3317 will satisfy these two math requirements for Criminology majors.

MINOR:

In general, a minor consists of 18 sch, of which 12 sch must be upper level. Please refer to the catalog for specifics.

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NOTES ON GRADUATING:

1. Read the U. T. Permian Basin catalog and be familiar with the University's requirements for the B. A. degree, and the general education requirements for the B. A. degree. It is the student's responsibility to read the catalog and be familiar with and fulfill all the requirements for the B. A. degree.
2. Complete at least 120 semester credit hours for the B. A. degree. At least 30 of these must be completed at U. T. Permian Basin.
3. At least 54 credits must be at the junior and senior level.
4. Complete at least 18 credits in a minor area: At least 12 of these 18 credits must be at the junior or senior level.
5. Obtain at least a C grade in all major courses.
6. By the end of the first week of classes during the semester in which the student intends to graduate, a degree check request and appropriate form must be submitted to the Academic Counselor.

CRIMINOLOGY MAJOR (33 sch)

Required core Courses: 15 sch (5 courses)

___ CRIM 2336 Introduction to Criminology
___ SOCI 3317 Introduction to Statistics
___ SOCI 4303 Social Research Methods
___ CRIM 4332 Theories of Criminal Behavior
___ CRIM 4399 Senior Research Seminar

SOCI 3317; SOCI 4303; CRIM 4399 MUST BE TAKEN IN SEQUENCE SHOWN. SOCI 3317 & SOCI 4303 will satisfy The University's computer science requirement.

CRIMINOLOGY ELECTIVES: Eighteen credit hours (6 courses) must be completed from the courses listed below:

___ CRIM 2310 Police and Society
___ CRIM 3340 Criminal Justice Administration
___ CRIM 3350 Social Deviance
___ CRIM 3355 Municipal Police Administration
___ CRIM 3365 Juvenile Delinquency and Justice
___ CRIM 3389 Multi-listing Course

___ CRIM 4312 Criminal Procedure
___ CRIM 4320 Corrections in America
___ CRIM 4321 Probation and Parole
___ CRIM 4322 Legal Foundations of Corrections
___ CRIM 4333 Law and Society
___ CRIM 4334 Issues in Criminology & Criminal Justice
___ CRIM 4381 Ethics in Criminal Justice
___ CRIM 4382 The Police and the Community
___ CRIM 4389 Selected Topics

___ CRIM 4391 Contract Study
___ CRIM 4392 Internship in Criminal Justice

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Drama

(Minor only)

The Minor in Drama requires eighteen semester hours, at least twelve of which must be at the junior or senior level. DRAM 2301, Theatre Appreciation and DRAM 3360, Drama in Production, are required. The remaining twelve hours may be selected from any Drama courses. With permission of instructor, three hours of dramatic literature courses in English may be substituted for three hours of upper-level theatre course work.

Required Courses

DRAM 2301 Theatre Appreciation (3)
Introduction to Theatre Arts: Basics of set, costume, light design, acting, script analysis, directing, reviewing, the knowledge of which both introduces the student to the discipline of the arts of theater and prepares the student to be a discriminating and appreciative audience.

DRAM 3360 Drama in Production (3)
Introduces students to all phases of theatrical production in the process of preparing mounting, and presenting a play at the Founder’s Theatre or at Local Community Theatres. Plays selected for performance will come from World drama (classical or continental), Renaissance drama (Shakespeare and his contemporaries), Modern drama (post-war II) or Musical Theatre: these categories vary by semester.

Selected Courses

DRAM 2302 Acting I (3)
Beginning acting methodology (including work in physical, vocal, and imaginative exercises) which introduces the student to the skills and strategies of performance.

DRAM 3302 Acting II (3)
Intermediate acting, chiefly devoted to characterization methodologies, including physical typology and interactional analysis of textual material. Prerequisite: Acting I.

DRAM 3370 Creative Dramatics (3)
Improvational drama, focusing upon learning imaginative techniques for dramatizing an idea, feeling or situation. Drama as “play” rather than performance.

DRAM 4340 Topics in Theatre History (3)
The history of theatrical practices from Greek and Roman to 1800 or from 1800 to the present. Includes the study of theater as a cultural artifact; theater architecture; theater artists; playwrights; theater historiography. Prerequisite: 2002 or 3002 level theater course.

DRAM 4379 Advanced Topics in Production and Performance (3)
Designed as a capstone course, Advanced Topics will alternate between seminars in Directing, Playwriting, Dramaturgy and Design and Technical Theatre. This course allows advanced students to practice their skills in a workshop setting. Prerequisite: 6 hours Theatre coursework or permission from instructor.

Shawn D. Watson, PhD
Associate Professor of English and Theatre

Dr. Watson has been instrumental in forging cooperative arrangements to further theatre education in the area, particularly in co-productions with Midland Community Theatre and Midland College. American drama, and contemporary drama, especially women’s plays, are her special interests. She has taught theatre appreciation on interactive television over the REACH network. She also teaches Renaissance literature and Shakespeare. Her research is in dramatic theory and play production.
Earth Sciences

Administered by the Department of Science and Mathematics within the College of Arts and Sciences.

A Bachelor of Science degree in Earth Sciences is intended to provide a broad background in the physical and biological sciences for students who intend to teach Science at the 4-8 grade level. However, a degree in Earth Science should be of interest to anyone whose career aspirations require a comprehensive knowledge of scientific principles and methodology.

Degree Requirements

The total credits required for a B. S. in Earth Sciences are 120.

General Education 44 credit hours

Students must complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog. In meeting the general education requirements Earth Science majors should include the following:

- Math Requirement: MATH 2412 and COSC 1335
- Science Requirement: GEOL 1401 and 1402

Computer Use

All majors will demonstrate a basic use of computing through completion of COSC 1335.

Science and Mathematics 23 credit hours

- NTSC 4301 Environmental Ethics OR
- NTSC 4311 History and Philosophy of Science

Complete a two semester sequence of any two of the following introductory courses, plus one semester of a third.

- BIOL 1306/1106 and 1307/1107
- PHYS 1401 and 1402
- CHEM 1331/1133 and 1332/1134

Earth Sciences Core

Upper level course work in the following:

- GEOG 3302 Geomorphology
- GEOG 3307 Climatology
- GEOG 3314 Rocks and Minerals
- GEOL 3318 Oceanography
- or an upper level course in Limnology, Marine Biology or Aquatic Biology.
- GEOL 3407 Introduction to Paleontology
- BIOL 3372 Principles of Ecology
- GEOG 3429 GIS and GPS Applications OR
- GEOG 3301 Maps and Map Interpretation

Electives: Upper level courses in BIOL, CHEM, GEOL or ENSC.
- A course in Astronomy is strongly recommended.

Teacher Preparation and TExES/ExCET Requirements

Candidates for TExES/ExCET tests in 4-8 Science must have completed the courses listed for each area below or equivalent courses.

- 4-8 Science: BIOL 1306/1106, 1307/1107, 1340; BIOL 3372 or 3230/3231; CHEM 1331/1133, 1332/1134; GEOL 1401, 1402; GEOG 3307; PHYS 1401; NTSC 4301 or 4311; and 9-12 hours of science electives (ASTR 1301 recommended).
Candidates for TExES/ExCET tests in 4-8 Math/Science Composite must have completed the courses listed for each area below or equivalent courses.

4-8 Math/Science Composite: MATH 2412, 2413, 2414, 3300, 3301, 3305, 3310, 3350; BIOL 1306/1106, 1307/1107; BIOL 3372 or 3230/3231; CHEM 1331/1133; GEOL 1401; PHYS 1401 or GEOL 1402; NTSC 4301 or 4311; 6 hours of science electives.

**Minor in Earth Science**

GEOL 1401 and 1402, totaling eight credits, are required courses. Ten additional credits, totaling a minimum of at least 18 hours, must be earned by selecting courses from one or more of the following disciplines: Biology, Chemistry, Environmental Science, Geography or Physics.

**Consult School of Education advisor.**
# Degree Plan: BS in Earth Science

## General Education Requirements:
- English Composition, 6 semester credit hours
- Literature, 3 semester credit hours
- U.S. History, 6 credits (2 courses) 1301, 1302 recommended
- U.S. and State Government, 6 credits (2 courses) 2301, 2302
- Communication, 3 semester credit hours
- Visual and Performing Arts, 3 sch
- Social Science, 3 semester credit hours
- Math (1332 or College Algebra)
- Math 2412

## Departmental Requirements:
- COSC 1335 Computers and Problem Solving
- NTSC 4301 Environmental Ethics OR NTSC 4311 History & Philosophy of Science

In addition to Geology, 5 semesters of freshman science is required. Two courses must be sequenced. All of the courses must be chosen from the following:
- BIOL 1306/1106; BIOL 1307/1107
- PHYS 1401, 1402
- CHEM 1331/1133; 1332/1134

## Geology Core Courses:
- GEOL 1401 Physical Geology
- GEOL 1402 Historical Geology
- GEOG 3302 Geomorphology
- GEOG 3307 Climatology or Meteorology course
- GEOL 3314 Rocks and Minerals
- GEOL 3318 Oceanography (or a course in Limnology, Marine Biology, or Aquatic Biology)
- BIOL 3372 Principles of Ecology
- GEOG 3429 GIS & GPS Applications OR GEOG 3301 Maps & Map Interpretation
- GEOL 3407 Paleontology

## Notes on Graduating:
1. Read the U. T. Permian Basin catalog and be familiar with the University's requirements for the BS degree. **It is the student's responsibility to read the catalog and be familiar with and fulfill all the requirements for the BS degree.**
2. Complete at least 120 semester credit hours for the BS degree in Earth Science.
3. At least 54 semester credit hours must be at the junior or senior level. At least 30 of these hours must be completed at U. T. Permian Basin.
4. Students majoring in Earth Science seeking secondary teacher certification are not required to complete a minor, but must complete a minimum of 24 credits in their second teaching field.
5. Obtain at least a C grade in all General Education, minor and Earth Science courses counting to the minimum course requirements. Maintain at least a grade point average of 2.0 or "C" in all courses applicable toward the BS degree.

## Electives:
9 sch in upper level courses in Biology, Chemistry, Geology or Environmental Science. An Astronomy course is strongly recommended.

## Minor
A minor requires 18 credit hours of which 12 credit hours must be completed at the junior and senior level.

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<tr>
<th>Course</th>
<th>Grade/Credit Hour</th>
<th>Course</th>
<th>Grade/Credit Hour</th>
</tr>
</thead>
<tbody>
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<td>2.</td>
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<td>3.</td>
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<td>4.</td>
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<td>8.</td>
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</tr>
</tbody>
</table>
Economics

Administered by the School of Business, the Economics program is designed to afford students the opportunity to prepare as economists or to serve other disciplines such as accounting, finance, management, marketing, government, education, sociology or history. Economics includes two broad areas: microeconomics and macroeconomics.

Microeconomics is an area applicable to any study of human endeavor where scarce resources must be allocated among competing uses. It is the study of humankind’s behavior in producing, exchanging and consuming material goods and services. Macroeconomics includes the study of the performance of the economy as a whole and includes such problems as inflation, unemployment and the rate of economic growth. Both programs at UTPermian Basin include forecasting, a skill enabling individuals, firms and governmental bodies to adjust to anticipated economic conditions.

A basic understanding of economics is essential for a well-informed citizenry since most of today’s problems have important economic aspects. It is also a vital discipline for, and is of practical value in, business decision-making. An understanding of the overall operation of the economic system puts businesses in a better position to formulate policies.

In spite of its practical benefits, economics is primarily an academic, not a vocational subject. In economics, problems are examined from a social, rather than an individual, point of view.

A Bachelor of Arts (BA) degree in Economics aims to prepare students for participation in public affairs, positions in business firms and government service. It offers a strong foundation for pre-law students and for further graduate study leading to teaching and research positions in universities, government and private enterprise.

Degree Requirements

The minimum total credits required for a BA degree in Economics is 120. This degree requires a minor field of study.

General Education

44 Credits

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog. Include the following specified courses:

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>MATH 1324/2412 or MATH 1325/2413</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science</td>
<td>SOCI 1301 and PSYC 1301</td>
</tr>
<tr>
<td>Computer Science</td>
<td>COSC 1335 (BCIS 1305)</td>
</tr>
</tbody>
</table>

Computer Use

Economics majors obtain computer skills for problem-solving in COSC 1335 (BCIS 1305), a required lower-division course. These skills are applied to solving economic problems in upper division core courses, such as MNGT 3302 and ECON 4307.

Lower Level Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2302</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 2301</td>
<td>Introduction to Statistics</td>
<td>3</td>
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</table>

9 Credits

Upper Level Courses:

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECON 3303</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4323</td>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3302</td>
<td>Inferential Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Approved ECON electives to total 12 credit hours</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Approved electives to total 21 Credit hours</td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>

42 Credits

Other Requirements

Additional courses necessary to complete a minor and sufficient upper division electives to complete 54 upper division hours and 120 total hours.
Economics Minor

ECON 2301 Principles of Macroeconomics 3
ECON 2302 Principles of Microeconomics 3
ECON 3303 Intermediate Microeconomics 3
ECON 4323 Intermediate Macroeconomics 3

Any additional approved Economics courses at the 3000 or 4000 level totaling 6 hours. 6
18 Credits

ExCET Requirements

Candidates for ExCET tests in Economics must have completed the courses listed for each area below or equivalent courses in their teaching fields.

Economics: ECON 2301, 2302, 3303, 4323, and two upper level electives; and MNGT 2301, 3302.

Candidates for ExCET tests in Composite Social Studies must have completed the courses listed for each area below or equivalent courses in their teaching fields.

Composite Social Studies: ECON 2301 and 2302; GEOG 2301, 2302, and 3301; HIST 1301 and 1302; HIST 3323 or 3324; HIST 3351; PLSC 2301, 2302, 3321.

Course Listing

ECON 2301 Principles of Macroeconomics (3)
A description of major economic problems facing modern societies is presented together with how the capitalistic market system addresses these issues. The emphasis is on macroeconomics theory and practice. Prerequisite: Sophomore standing. S F

ECON 2302 Principles of Microeconomics (3)
Individual consumer and producer choices are analyzed. Emphasis is placed on supply and demand relationships, utility concepts, and cost and revenue curves as they relate to price theory and various forms of competition. Prerequisite: ECON 2301. S F

ECON 3303 Intermediate Microeconomics (3)
A detailed study of the underlying assumptions of rational consumer behavior is studied. This is combined with the expected actions of profit-motivated firms under perfect and imperfect competitive conditions to analyze economic efficiency of different market structures. Prerequisite: ECON 2301. S

ECON 3322 Money and Banking (3)
The course describes how banks, the Federal Reserve and U.S. Treasury interact to determine money supplies. Recent and current attempts to control inflation and unemployment are highlighted. Prerequisites: ECON 2301 and ECON 2302. F

ECON 4307 Econometrics (3)
The course focuses on applied econometrics including estimating and testing simple, multiple, and simultaneous equation models. It further covers problems in multicollinearity, autocorrelation and generalized least squares. Prerequisites: MNGT 2301 and MNGT 3302. S

ECON 4320 International Trade (3)
An examination of the monetary and real aspects of trade, including foreign exchange rates, balance of payments problems, and the theories concerning the reasons for trade. Prerequisites: ECON 2301 and ECON 2302.

ECON 4323 Intermediate Macroeconomics (3)
Theories of output, employment, price level and growth rate are developed. Relationships between accepted theories and actual data in recent years are analyzed. Prerequisite: ECON 2301. F

ECON 4325 Managerial Economics (3)
Uses economic analytical tools including demand forecasting, resource allocation, and cost profitability for managerial decision making are presented. Prerequisites: MNGT 2301; MNGT 3302; ECON 2301 and ECON 2302.
ECON 4330 Economics of Industry (3)
A study is made of the market processes which direct industry to satisfy societal demands, how these processes may fail, and possible remedies. Prerequisites: ECON 2301; 2302, and 3303.

ECON 4331 Law and Economics (3)
The course covers common law allocative mechanisms of contract, tort, and property law as alternatives to collective intervention when markets fail. It also includes consideration of the economic logic of law. Prerequisites: ECON 2301 and ECON 2302.

ECON 4332 Labor Economics (3)
Course includes the study of labor market issues such as human capital, compensating wage differentials, migration, and the effects of institutions on labor market outcomes. It is recommended to any one who wants to understand the nature of labor market economics but is particularly valuable to potential managers. Prerequisites: ECON 2301 and ECON 2302.

ECON 4333 Business and Economic History (3)
The course covers the transformation of the United States from a rural, agricultural colony to a major industrial nation and its impact on households, firms, and governmental units. It emphasizes economic growth and the evolution of the modern corporation. Prerequisites: ECON 2301 and ECON 2302.

ECON 4389 Selected Topics in Economics (3)
These are undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. Prerequisite varies.

ECON 4391 Contract Study in Economics (3)
This course provides for individual independent study or research project that addresses a topic not offered in the curriculum. Prerequisite varies.

ECON 4392 Internship (3)
A supervised field and academic experience. May be repeated once for credit for distinctly different learning experiences. Prerequisite: 12 credit hours of ECON and completed internship application form with permission of academic advisor, area coordinator, and experiential learning program coordinator.
## DEGREE PLAN: BA IN ECONOMICS

### Freshman Year

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<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<tr>
<td>ENGL 1301</td>
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<td>ENGL 1302</td>
<td>3</td>
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<td>MATH 1324</td>
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<td>COMM 1315/1321</td>
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<td>HIST 1302</td>
<td>3</td>
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### Sophomore Year

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<td>ECON 2301</td>
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<td>ECON 2302</td>
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<td>COSC 1335</td>
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### Junior Year

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<th>Spring</th>
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<tbody>
<tr>
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<td>ECON 4323</td>
<td>3</td>
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<td>MNGT 3302</td>
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### Senior Year

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<th>Spring</th>
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<tbody>
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<td>ECON Elective</td>
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</table>
English

Administered by the Department of Humanities and Fine Arts within the College of Arts and Sciences.

The goals of the English program include the following: first, to help students develop their ability to read and write critically; second, to provide them with a breadth of knowledge about the major periods, movements, and genres in British and American literature; third, to enhance their awareness of the cultural contexts of literary texts. Students pursuing an English major or minor will receive training in analytical and imaginative reading, in the analysis of literary and non-literary works and in the professional skills involved in writing, rhetoric, and the analysis of all types of written language. Courses at all levels will give serious attention to the literary voices traditionally excluded from or marginalized within the British and American literary canon. No more than 47 semester credit hours of English may be applied toward the 120 semester credit hour minimum required for a degree.

Degree Requirements

The total credits required for a B.A. in English are 120.

General Education 44 credits

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this Catalog.

Computer Use

All majors must demonstrate a basic use of computing through completion of COSC 1301, COSC 1335, or similar computer science course which requires the actual use of computers. COSC 1335 may be used to meet both this requirement and the general educational requirements.

Major Requirements

The student who chooses English as a major should select courses according to the following guidelines.

1. Two semesters of Freshman English or composition and language study are a prerequisite for the major in English.

2. Thirty semester credit hours of courses at the sophomore level and above are required for the major, with a minimum of 24 semester credit hours at the upper (junior/senior) level.

3. Required courses:
   ENGL 3300, Theoretical Approaches to Literature
   One course in American Literature
   One course in British Literature
   One course in Fiction
   One course in Poetry
   One course in Drama
   One Language and Rhetoric course

4. At least six semester credit hours of study must be at the senior (4000) level.

Course Groups for the Major and Minor

British Literature Courses (select at least one):

- ENGL 2322 British Literature to 1800
- ENGL 2323 British Literature since 1800
- ENGL 3332 Literature and Art
- ENGL 3352 Eighteenth-Century Women Poets
- ENGL 4321 Topics in British Poetry
- ENGL 4325 Topics in British Drama
- ENGL 4332 The Nineteenth-Century British Novel
- ENGL 4333 The Twentieth-Century British Novel
American Literature Courses (select at least one)

ENGL 2327 American Literature to 1865
ENGL 2328 American Literature since 1865
ENGL 3306 Ethnic Literature
ENGL 3325 American Women Playwrights
ENGL 4301 Nineteenth-Century American Poetry
ENGL 4302 Twentieth-Century American Poetry
ENGL 4305 American Drama
ENGL 4311 Nineteenth-Century American Fiction
ENGL 4312 Twentieth-Century American Fiction

Electives

ENGL 3310 Drama: Tragedy & Melodrama
ENGL 3311 Drama: Comedy
ENGL 3330 Film as Literature
ENGL 3333 Literature & Mythology
ENGL 3341 Creative Writing
ENGL 3361 World Novels in Translation
ENGL 3362 Poetry: Forms and Themes

Language and Rhetoric Courses

ENGL 3340 Advanced Composition
ENGL 3371 The English Language
ENGL 3372 English Grammar
ENGL 4340 Advanced Professional Writing
ENGL 4371 Rhetoric and Composition

Minor in English

The minor in English is composed of eighteen hours of study, at least twelve of which must be junior level or above. Freshman English courses are not included in the number of courses toward the minor. ENGL 3300, Theoretical Approaches to Literature, is required of all students in the minor. The student may select the remaining five courses according to her or his interests and goals, with the provisions that one course must be in British Literature, one course must be in American Literature, and at least one course must be at the senior (4000) level.

TExES Requirements

To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-4 or 4-8 must take at least 9 hours of math (may include statistics) at or above college-level algebra and at least 12 hours of science. They should plan accordingly when meeting general education and elective course requirements. Students seeking certification as a 4-8 Generalist must take at least 12 hours of math and 14-16 hours of science. (Students certifying to teach 4-8 Math or Science will have additional hours in their respective disciplines.)

8-12 English Language Arts/Reading: ENGL 23xx (sophomore literature course); ENGL 3300; ENGL 3340 or 3371 or 3372; ENGL (drama); ENGL (fiction); ENGL (poetry); ENGL (23xx, 33xx, or 43xx); ENGL (33xx or 43xx); ENGL (33xx or 43xx; 3340 recommended). Must include at least one course in British literature and one course in American literature, and at least two courses must be at the 4000 level. Must also complete EDUC 4326 and 4371; COMM 2301 or 2310.

4-8 English Language Arts/Reading: ENGL 23xx (sophomore literature course); ENGL 3300; ENGL 3340 or 3371 or 3372; ENGL (drama); ENGL (fiction); ENGL (poetry); ENGL (23xx, 33xx, or 43xx); ENGL (33xx or 43xx; 3340 recommended). Must include at least one course in British literature and one course in American literature, and at least two courses must be at the 4000 level. Must also complete EDUC 3322, 4324, 4325, and 4375.

4-8 English Language Arts/Reading/Social Studies Composite: ENGL23xx (sophomore literature course); ENGL 3300; ENGL 3340 or 3371 or 3372; ENGL (drama); ENGL (fiction); ENGL (poetry); ENGL (23xx, 33xx, or 43xx; 3340 recommended). Must include at least one course in British literature and one course in American literature, and at least two courses must be at the 4000 level. Must also complete EDUC 3322, 4324, 4325, and 4375; ECON 2301; GEOG 1301 and 1302; HIST 1301 and 1302; HIST 3351; HIST 4341 or 4344; HIST 4354 or 4355; PLSC 2301, 2302, and 4335. Must also complete EDUC 3322, 4324, and 4375.

Students with questions about TExES requirements should consult their Education advisor.
Course Listing
Courses without a semester designation are offered in rotation.

ENGL 0399 Fundamentals of Composition (3)
Fundamentals of Composition will focus on writing effective paragraphs and short compositions and on the conventions of standard written English. The course is intended for students who need to develop the writing skills required for ENGL 1301. Course will be graded on a Pass/Not Pass basis. Students receiving an NP must re-enroll during their next long semester. (Does not count toward a degree.) FS

ENGL 1301 Composition I (3)†
Composition I offers intensive instruction in the writing process (prewriting, drafting, revising, and proofreading), emphasizing the recursive nature of the process and the importance of the relationship among writer, audience, and subject. The course will also explore the connection between writing and critical thinking and the usefulness of writing as a tool for learning in all fields of knowledge. Students enrolling in Composition I will be expected to have a good command of standard written English. Prerequisite: Successful completion of ENGL 0399 or satisfactory placement on UTPB's English placement exam. FS

ENGL 1302 Composition II (3)†
Composition II offers instruction in the various modes of written expression (descriptive, expository, narrative, objective, self-expressive) as well as the purposes and principles governing the presentation of research in a documented paper. Prerequisite: ENGL 1301. FS

ENGL 2322 British Literature to 1800 (3)†
Chronological survey of major works in British literature from the Anglo-Saxon Times through the restoration and late 18th century. Prerequisite: ENGL 1302. FS

ENGL 2323 British Literature Since 1800 (3)†
Chronological survey of major works of British Literature from the late 18th century (about 1800) to the Modern Period. Prerequisite: ENGL 1302. FS

ENGL 2327 American Literature to 1865 (3)†
Chronological examination of writers, works and movements in fiction, nonfiction and poetry through 1865. Prerequisites: ENGL 1302. FS

ENGL 2328 American Literature Since 1865 (3)†
Chronological examination of writers, works and movements in fiction, nonfiction and poetry from 1865 to the present. Prerequisites: ENGL 1302. FS

ENGL 3300 Theoretical Approaches to Literature (3)
An introduction to the analysis of literary texts as informed by important methods and schools of literary criticism. Attention to the three major genres of literature - poetry, drama and fiction. Frequent writing assignments. Course available only for English majors, English minors, and those with English as a second teaching field. Prerequisite: Any 2000 level English class. FS

ENGL 3306 Ethnic Literature (3)
Study of canonical and noncanonical texts from ethnic cultures of the Americas, in historical contexts, from pre-Columbian to the present. All readings in English. Prerequisites: ENGL 1302. F05

ENGL 3310 Drama: Tragedy & Melodrama (3)
Transnational genre course surveying serious dramatic literature from Greek to present-day playwrights. Prerequisite: any 2000 level English course. F03

ENGL 3311 Drama: Comedy (3)
Transnational genre course surveying comic drama from Greek to present-day playwrights: Prerequisite: any 2000 level English course. F04

ENGL 3325 American Women Playwrights (3)
Survey of plays written by American Women in the 20th Century. Prerequisite: any 2000 level English course. S05

ENGL 3330 Film as Literature (3)
Introduction to critical and theoretical approaches and terminology for describing and analyzing films as cultural artifacts and as works of literature. Some emphasis will be given to movements in the history of film (such as German Expressionism, Japanese New Wave Cinema). English elective. Prerequisite: one 2000 level English course. S
ENGL 3332 Literature and Art (3)
The study of art within the context of British Literature, American Literature or Comparative Literature with special emphasis on gender constructs. S

ENGL 3333 Literature & Mythology (3)
The study of mythology within the context of British Literature, American Literature or Comparative Literature. Prerequisites: ENGL 1301, ENGL 1302. F

ENGL 3340 Advanced Composition (3)
The writing of a series of papers of varying lengths involving a wide range of rhetorical situations. Emphasis is placed on the entire writing process, including pre-writing, drafting, and re-writing. Prerequisite: ENGL 1302. F03,F05

ENGL 3341 Creative Writing (3)
Emphasis on development of the student's own writing through formal experimentation, workshopping, and projects, with significant attention paid to literary conventions of modern and contemporary writing. Prose, poetry or drama may be the topic of the given semester. Prerequisite: ENGL 1302 and permission of the instructor based on a review of a writing portfolio. S05

ENGL 3352 Eighteenth-Century Women Poets (3)
Survey of British women poets writing in the period 1660-1800. Focus is on proto-feminist ideologies developed by these poets and on 20th century feminist approaches to their literature and culture. Prerequisites: ENGL 1302 and any 2000 level English course. F

ENGL 3361 World Novels in Translation (3)
The study of a range of novels, non-Western as well as Western, representing various strategies of narration as well as various cultural orientations. Prerequisite: ENGL 1302.

ENGL 3362 Poetry: Forms and Themes (3)
The course will focus on the close reading and explication of lyric poetry, with some attention to the epic. Students will be introduced to the skills, vocabulary and methods involved in reading poems, with emphasis on a fairly small number of poems closely studied. Frequent writing assignments. Prerequisite: one 2000 level English course or permission of instructor. S04, S07

ENGL 3371 The English Language (3)
Survey of topics in contemporary language theory as they pertain to literature, culture, and the English language. Introduces concepts in linguistics: includes study of the history and politics of English language change. Emphasis given to the advent of semiotics and how the attendant concepts of structure and agency are informed by the intersection of language with gender, class, and identity. Prerequisites: ENGL 1302 and one 2000-level literature class.

ENGL 3372 English Grammar (3)
A systematic study of the fundamentals of English grammar, with attention to the analysis of constituent structure, and the identification and practice of the conventions of Standard Written English usage. Prerequisite: ENGL 1302. S04, S05, S06

ENGL 3399 Multilist Course (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

ENGL 4301 19th-Century American Poetry (3)
Historical development of American poetry from colonial era through 1800's, with emphasis on poetry in its cultural and historical settings, and on both period and current theories of poetry. Prerequisite: one junior level literature course. F03, F06

ENGL 4302 20th-Century American Poetry (3)
Historical development of American poetry from 1900 to the present, with emphasis on Modernism; analysis of the theories and practices of major poets and major schools of poetry. Prerequisite: one junior level literature course. S05

ENGL 4305 American Drama (3)
Historical development of American drama; types of dramatic literature and masterpieces in American drama. Prerequisite: ENGL 3300. S04

ENGL 4311 19th-Century American Fiction (3)
Masterpieces in American prose fiction, through the late 19th century. Prerequisite: ENGL 2327 or 2328 or permission of instructor.

ENGL 4312 20th-Century American Fiction (3)
Masterpieces in American prose fiction, late 19th century to the present. Prerequisite: ENGL 2327 or 2328 or permission of instructor.
ENGL 4321 Topics in British Poetry (3)
Selected topics in British poetry as a literary genre. Prerequisite: ENGL 3300. S05

ENGL 4325 Topics in British Drama (3)
Selected topics in British drama as a literary genre. Prerequisite: ENGL 3300. F05

ENGL 4332 The Nineteenth-Century British Novel (3)
The development of the British novel in the nineteenth and early twentieth centuries. Prerequisite: one junior level literature course. F

ENGL 4333 The Twentieth-Century British Novel (3)
The development of the British novel in the twentieth century. Prerequisite: one junior level literature course.

ENGL 4334 Feminism and Masculinities in British Literature (3)
Interpretation of British literary texts within the context of theories on feminism and masculinities.

ENGL 4335 The Age of Johnson (3)
An overview of the major works of Samuel Johnson (1709-1784), plus significant works by members of his circle such as Edmund Burke, David Hume, and Oliver Goldsmith. Prerequisite: Coursework in English at the junior level. F04

ENGL 4340 Advanced Professional Writing (3)
Intensive work in business and technical writing, with the purpose of developing a portfolio. Workshop format. This course is intended for students planning careers or graduate study in business, the sciences, and related fields, as well as for English majors and minors planning a career involving business or technical writing. Prerequisite: ENGL 3340 or permission of instructor based on a review of a writing portfolio. S04,S06

ENGL 4365 Studies in Shakespeare (3)
A study of Shakespearean drama organized around a genre (Comedy, History, Tragedy) or a theme. May be repeated. R05

ENGL 4371 Rhetoric and Composition (3)
The history and practice of rhetoric; current theories of writing from the perspectives of cognitive psychology, linguistics, sociology, and others. This course is especially relevant for students seeking secondary certification in English or for students who plan to pursue an advanced degree in English. Prerequisite: ENGL 1302 (or equivalent) and at least one 3000 level English course, or permission of the instructor. S05

ENGL 4389 Selected Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. May be acceptable for graduate credit. Prerequisite: ENGL 3300.

† Course fulfills general education requirements.

Mark Wildermuth, PhD
Associate Professor of English

Dr. Wildermuth is widely known for his interest in films as literature. His research has been published in Philosophy and Rhetoric, Rhetoric Society Quarterly, The Age of Johnson, The Eighteenth Century: Theory and Interpretation, The Journal of Popular Film and Television.
DEGREE PLAN: BA IN ENGLISH

DEGREE REQUIREMENTS:
It is the student’s responsibility to read the university catalog and be familiar with degree requirements.
1. Complete at least 120 semester credit hours.
2. Complete at least 54 hours at the junior/senior level. At least 30 of these hours must be completed at UTPB.
3. Complete at least 18 hours in a minor. At least 9 of these must be at the junior/senior level. Students seeking a second teaching field for secondary certification in English must complete all requirements for the major.
4. Earn at least a C grade in all English courses counting toward the minimum course requirements and maintain at least a GPA of 2.00 for all courses applicable toward the B.A. degree. Students seeking teacher certification must maintain a GPA of at least 2.75 in all English courses beyond Freshman Composition.

SEMESTER HOURS COMPLETED AT OTHER SCHOOLS:
Lower division total ...........................................
Upper division total ...........................................
Total hours counted toward degree ................................

GENERAL EDUCATION REQUIREMENTS (44 sch):

| English Composition, 1301 & 1302 |
| Sophomore Literature, 2322, 2323, 2327, 2328 |
| U.S. History, 1301 & 1302 |
| U.S. and State Government, 2301 & 2302 |
| Visual/Performing Arts (3 sch) |
| Laboratory Science (8 sch) |
| Social Science (3 sch) |
| Communication (3 sch) |
| Mathematics (3 sch) |
| Mathematics/Computer Science/Logic/Statistics (3 sch) |

MAJOR REQUIREMENTS:
A TOTAL OF THIRTY HOURS (30 sch) of study is required for the major; 6 sch may be at the sophomore (2000) level; 6 sch MUST be at the senior level (4000). The freshman English courses (1301 & 1302) are not included in the English major. Included in those 30 hours for the major must be:

1. ENGL 3300 Theoretical Approaches to Literature
2. One course in each category: POETRY FICTION DRAMA
3. Distribution as specified among the following groups of courses:

| BRITISH LITERATURE (one required) |
| 2322 British Literature to 1800 |
| 2323 British Literature since 1800 |
| 3322 Literature and Art |
| 3352 18th Century Women Poets |
| 4321 Topics in British Poetry |
| 4325 Topics in British Drama |
| 4332 19th Century British Novel |
| 4333 20th Century British Novel |
| Other |
| Other |

| ELECTIVES |
| 3310 Drama: Tragedy and Melodrama |
| 3311 Drama: Comedy |
| 3330 Film as Literature |
| 3333 Literature and Mythology |
| 3341 Creative Writing |
| 3361 World Novels in Translation |
| 3362 Poetry: Forms and Themes |
| Other |

| AMERICAN LITERATURE (one required) |
| 2327 American Literature to 1865 |
| 2328 American Literature since 1865 |
| 3306 Ethnic Literature |
| 3325 American Women Playwrights |
| 4301 19th Century American Poetry |
| 4302 20th Century American Poetry |
| 4305 American Drama |
| 4311 19th Century American Fiction |
| 4312 20th Century American Fiction |
| Other |

| LANGUAGE/RHETORIC (one required) |
| 3340 Advanced Composition |
| 3371 The English Language |
| 3372 English Grammar |
| 4340 Advanced Professional Writing |
| 4371 Rhetoric and Composition |
| Other |

MINOR OR SECOND TEACHING FIELD

1. ...........................................
2. ...........................................
3. ...........................................
4. ...........................................
5. ...........................................
6. ...........................................
7. ...........................................
8. ...........................................
Environmental Science

Administered by the Department of Science and Mathematics within the College of Arts and Sciences. Consult with the departmental office or the College of Arts and Sciences Academic Advising Office for a list of faculty advisors.

Students in the Environmental Science interdisciplinary major at The University of Texas of the Permian Basin will study the interrelationships between the environment and organisms and the effect humans have on the environment. The use of energy sources and management of the natural resources will be studied in reference to the environmental ethical responsibilities.

An Environmental Science major provides the graduates with job opportunities in many different areas including environmental policy and planning, environmental education, natural resource management, pollution control, conservation, lobbying and environmental communication. No minor is required for this degree.

Degree Requirements

The total semester credit hours required for a B.S. in Environmental Science is 120.

General Education 46 credits

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog including the following specific courses.

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2413, 2414</td>
<td></td>
</tr>
<tr>
<td>Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 1401, 1402</td>
<td></td>
</tr>
</tbody>
</table>

Computer Use 3 credits

All majors must demonstrate a basic use of computing through completion of COSC 1301, COSC 1335, or a similar computer science course which requires the actual use of computers.

Major Requirements 69-75 credits

Environmental Science Foundation Courses (44 sch., 25 must be upper level):
All environmental Science majors must complete the following.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>*BIOL 1306-1106</td>
<td>General Biology I</td>
<td>4</td>
</tr>
<tr>
<td>*BIOL 1307-1107</td>
<td>General Biology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4372</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>*CHEM 1331-1133</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>*CHEM 1332-1134</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>ENSC 3304</td>
<td>Introduction to Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 3310</td>
<td>Water and Wastewater Treatment</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 4310</td>
<td>Environmental Pollution and Control</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 4350</td>
<td>Environmental Impact Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 3320</td>
<td>Environmental Law</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 4395</td>
<td>Research in Environmental Issues</td>
<td>3</td>
</tr>
<tr>
<td>*GEOL 1401</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>*GEOL 1402</td>
<td>Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3301</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1401 or 2425</td>
<td>College or University Physics and Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

* Only 16 sch is required - 8 sch in the area of concentration and 8 sch outside the concentration area.

Field of Concentration Requirements (13-19 sch, all upper level): Complete a field of concentration in Biology, Chemistry, or Geology. A Biology concentration requires BIOL 3310-3111, 3230-3231, 3343 and 4342 for 14 sch. A concentration in Chemistry requires completion of CHEM 3411-3113, 3412-3114, 3324-3225, and 4301-4103 for 19 sch. A Geology concentration requires completion of GEOL 3408, 3316, 3317, and 4316 for 13 sch. Course substitutions are possible in order to make progress towards the degree. Consult your academic advisor.
Environmental Science Electives (12 sch. all upper division): Complete twelve upper level electives chosen with the approval of the advisor. These electives will normally be from the science disciplines, but may be in other disciplines when the courses are on environmental topics.

Upper Level Electives (0-5 sch, all upper level): A minimum total semester credit hours required for the program is 120, of which a minimum of 54 credits must be at the upper level.

Minor Requirements

Students who choose this minor should complete one course plus lab (4 semester credit hours) of lower level science courses listed below. These four hours should not be included in the eight hours of science courses required of all students, to satisfy the general education curriculum. The student will also complete at least five (15 semester credit hours) of the upper division courses listed below, including ENSC 4310 and ENSC 4350. Courses chosen from this list should be outside the student's major.

Lower Level Science Courses (4 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENSC 1401</td>
<td>Environmental Science I</td>
<td>4</td>
</tr>
<tr>
<td>ENSC 1402</td>
<td>Environmental Science II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1306-1106</td>
<td>General Biology I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1307-1107</td>
<td>General Biology II and Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1331/1133</td>
<td>General Chemistry I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1332/1134</td>
<td>General Chemistry II and Lab</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 1401/Lab</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 1402/Lab</td>
<td>Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2425/Lab</td>
<td>University Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2426/Lab</td>
<td>University Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

Recommended Courses Satisfying a Minor in Environmental Science (15 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENSC 3304</td>
<td>Introduction to Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4372</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 3310</td>
<td>Water and Wastewater Treatment</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 4310</td>
<td>Environmental Pollution and Control</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 4350</td>
<td>Environmental Impact Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3307</td>
<td>Climatology</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 3316</td>
<td>Introduction to Groundwater</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 3317</td>
<td>Environmental Geology</td>
<td>3</td>
</tr>
<tr>
<td>NTSC 4301</td>
<td>Environmental Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Course Listing

ENSC 1401 Environmental Science I (4)
An overview of the scope of environmental science with emphasis on its interdisciplinary nature incorporating key physical sciences such as biology, chemistry, geology, hydrology, and its behavioral interactions. The course will try to focus on interdisciplinary nature of most scientific concepts. The course will explore current issues such as "global warming," "acid rain," depletion of ozone layer, depletion of energy resources, human induced climate change, and indoor pollution.

ENSC 1402 Environmental Science II (4)
An overview of the scope of environmental science with emphasis on its interdisciplinary nature incorporating key physical sciences such as: biology, chemistry, geology, hydrology and its behavioral interactions. The course will explore current issues of electromagnetic radiation, first and second laws of thermodynamics, microwaves and microwave ovens, the theory of relativity, vitamins and minerals, etc.

ENSC 3304 Introduction to Environmental Science (3)
Man's impact on the physical and biotic structures of the environment. Prerequisite: ENSC 1401 and ENSC 1402 or permission of the instructor. Summer

ENSC 3310 Water and Wastewater Treatment (3)
Sampling, physical, chemical, and biological properties of water, methods of water and wastewater treatments and the quality of reclaimed water will be discussed. Prerequisite: four hours of freshman chemistry and four hours of freshman biology.
ENSC 3320 Environmental Law (3)
To understand how environmental laws are made and how disputes are resolved, the history and the need for some Federal and selected State environmental laws such as National Environmental Policy Act, Pollution Prevention Act, Clean Air Act, Clean Water Act, etc. is taught. S

ENSC 4310 Environmental Pollution and Control (3)
Air pollution, meteorology and air quality, measurement of air quality, water pollution, measurement of water quality, water law and standards, solid waste, solid waste measurement, noise pollution, noise measurement and control. Prerequisite: at least one course beyond the freshman level in CHEM or GEOL or BIOL, or permission of the instructor. F

ENSC 4350 Environmental Impact Analysis (3)
Framework for environmental assessment; description of the environmental setting; prediction and assessment of impact on air, water, noise, and biological environments; methods of impact analysis, will be discussed. Prerequisite: at least one course beyond the freshman level in CHEM or GEOL or BIOL, or permission of the instructor. S

ENSC 4390 Internship in Environmental Technology (3)
Students enrolled in this course will be assigned to one of the environmental industries in Midland/Odessa area to work about 15 hours per week on different projects. Student's academic advisor and industry supervisor will be in contact to check the student's progress in the project. Each student will make regular oral reports to their academic advisors during the semester and submit a written report at the end of the semester. FS

ENSC 4395 Research in Environmental Issues (3)
Design and analysis of various projects related to environmental issues and problems. Oral and written reports required. Prerequisite: ENSC 3310 Water and Wastewater treatment. F
DEGREE PLAN: BS IN ENVIRONMENTAL SCIENCE

GENERAL EDUCATION REQUIREMENTS (46 hours):
___ English Composition, 6 credits (2 courses) 1301 & 1302
___ Literature, 3 credits (1 course) 2322, 2323, 2327, 2328
___ U.S. History, 6 credits (2 courses) 1301, 1302
    recommended
___ U.S. and State Government, 6 credits (2 courses)
    2301, 2302
___ BIOLOGY 1306-1106, BIOL 1307-1107, 8 sch
___ MATH 2413, Calculus I AND MATH 2414, Calculus II
___ Communication, 3 credits (1 course)
___ Visual and Performing Arts, 3 credits (1 course)
___ Social Science, 3 credits (1 course)

COMPUTER USE: All majors must demonstrate a basic use of computing through completion of COSC 1301, 1335, or a similar computer science course which requires the actual use of computers.

MAJOR REQUIREMENTS: 69-75 SEMESTER CREDIT HOURS
Environmental Science Foundation Courses (44 sch; 25 of which must be upper level): All Environmental Science majors must complete the following:

___ BIOL 4372 Ecology 3 sch
___ CHEM 1331-1133/
    1332-1134 General Chemistry I & II 8 sch
___ ENSC 3304 Introduction to Environmental Science 3 sch
___ ENSC 3310 Water and Wastewater Treatment 3 sch
___ ENSC 4310 Environmental Pollution Cont. 3 sch
___ ENSC 4350 Environmental Impact Analysis 3 sch
___ ENSC 4352 Environmental Law 3 sch
___ ENSC 4395 Research in Environmental Issues 3 sch
___ GEOL 1401 & 1402 Physical & Historical 8 sch
___ MATH 3301 Statistics 3 sch
___ PHYS 1401 or 2425 College or University Physics I & Lab 4 sch

44 sch

In addition to the above noted required foundation courses, all Environmental Science majors must complete a Field of Concentration Requirements (13-19 sch, all upper level): Complete a field of concentration in Biology, Chemistry, or Geology as follows:

BIOLOGY CONCENTRATION
(14 semester credit hours)
___ BIOL 3310-3111 Invertebrate Zoology
___ BIOL 3230-3231 Botany
___ BIOL 3343 Human Genetics

CHEMISTRY CONCENTRATION
(19 semester credit hours)
___ CHEM 3411-3113 Organic I
___ CHEM 3412-3114 Organic II
___ CHEM 3324-3225 Analytic I
___ CHEM 4301-4103 Physical I

GEOLOGY CONCENTRATION
(13 semester credit hours)
___ GEOL 3408 Sedimentary Rocks
___ GEOL 3316 Intro to Groundwater
___ GEOL 3317 Environmental Geology
___ GEOL 4316 Earth Resources & Environ.

ENVIRONMENTAL SCIENCE ELECTIVES (12 sch hours chosen with the approval of the advisor):

UPPER LEVEL FREE ELECTIVE(S): Depending on the area of concentration you may need to take between 0-4 sch of upper level free electives to satisfy The University's 54 sch upper level requirement.

NO MINOR IS REQUIRED FOR THIS DEGREE.
Finance

Administered by the School of Business, the Bachelor of Business Administration (BBA) degree with a major in Finance provides an understanding of the financial function of the business enterprise and financial markets. The course work also provides training in conceptual and quantitative tools that a professional in the field of finance needs to know to be successful. Finance is a discipline that is grounded in economics and draws many of its tools from accounting. Thus, the foundational courses that a Finance major would take include microeconomics, monetary theory and practice, financial accounting, and managerial accounting.

U. T. Permian Basin offers finance courses in two areas: (a) corporate financial management, covering the theory and practice of finance at manufacturing, service, and financial firms; and (b) investments and financial markets, covering the theory and practice of investing in modern capital markets.

Degree Requirements

The minimum total credits required for a BBA degree in Finance is 122.

General Education  

44 Credits

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog, including the following courses:

Mathematics  
MATH 1324/1325 or Math 2412/2413

Social Science  
SOCI 1301 or PSYC 1301

Computer Use

Finance majors obtain skills in using computers in problem-solving in COSC 1335 (BCIS 1305), a required lower-division course. ACCT 3333/MNGT3333, a required core business course, includes further development of these skills and their application in a business context.

Lower Level Business Courses  

18 Credits

Complete the 18 credit hour requirements shown in the Lower Level Business Courses section on page 62 of this catalog.

Upper Level Business Common Core Courses

Complete the requirements shown in the Upper Level Business Common Core Courses section on page 63 of this catalog. Finance majors are required to take the following courses for their upper level economics elective in the Business Common Core:

ECON 3322  Money and Banking  3
Other Business Common Core Courses  27

30 Credits

Other Required Upper Level Courses

FINA 3321  Corporate Financial Management  3
FINA 3327  Modern Portfolio Theory  3
Approved ACCT Elective (ACCT 3301, 3303, or 3310)  3
Approved ECON Tools Elective (ECON 3303 or 4307)  3
Approved Upper Level FINA Electives  12
Approved Upper Level Business Electives  6

30 Credits
Advice to Students Interested in Pursuing a Finance Major

U. T. Permian Basin offers finance courses in two areas: corporate financial management and investments and financial markets.

If you wish to emphasize corporate financial management, then we suggest you consider the following course selection strategy:

* Accounting Elective: Accounting for Business Decision-Makers (ACCT 3310), Intermediate Accounting I (ACCT 3301), or Cost Accounting Principles (ACCT 3303).


* Upper Level Finance Electives: include Corporate Valuation & Financial Strategy (FINA 4323) or Management of Financial Institutions (FINA 4322).

* Upper Level Business Electives: select from Cost Accounting Principles (ACCT 3303), Managerial Economics (ECON 4325), Economics of Industry (ECON 4330), Law and Economics (ECON 4331), Business and Economic History (ECON 4333), Business and Society (MNGT 3370), and Marketing Management (MRKT 3312).

If you wish to emphasize investments/financial markets, then we suggest you consider the following strategy:

* Accounting Elective: Accounting for Business Decision-Makers (ACCT 3310) or Intermediate Accounting I (ACCT 3301).

* Economics Tools Elective: Econometrics (ECON 4307).

* Upper Level Finance Electives: International Finance (FINA 4320), Structure of Capital Markets (FINA 4324), Options and Futures (FINA 4320), and Financial Statement Analysis (FINA 4340/ACCT 4340).

* Upper Level Business Electives: select from Federal Income Tax (ACCT 3305), Intermediate Microeconomics (ECON 3303), International Trade (ECON 4320), Intermediate Macroeconomics (ECON 4323), Law and Economics (ECON 4331), and Business and Economic History (ECON 4333).

Some finance electives are offered once a year, while others are offered every other year. Thus, we recommend you meet with your advisor BEFORE the start of your junior year to discuss your scheduling alternatives. If you are a part-time student, you have greater flexibility. However, if you are a full-time student, you will need to plan carefully to get the courses you want and still graduate on schedule. The sample degree plan presented here may need to be modified based on what courses you would like to take and when these courses are offered in your junior and senior years.

Finance Minor

A minor in Finance consists of a total of 21 credit hours.

All majors outside the School of Business must satisfy the following requirements to earn a minor in Finance.

Lower Level Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2301</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 2301</td>
<td>Introduction to Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

9 Credits

Upper Level Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINA 3320</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>FINA 3321</td>
<td>Corporate Financial Management, or</td>
<td>3</td>
</tr>
<tr>
<td>FINA 3327</td>
<td>Modern Portfolio Theory</td>
<td>3</td>
</tr>
<tr>
<td>Approved 6 hours from FINA 4320, 4322, 4323, 4324, or 4325</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

12 Credits

Total 21 Credits

Economics majors must satisfy the following requirements to earn a minor in Finance.
Lower Level Courses
ACCT 2301 Principles of Financial Accounting 3 Credits

Upper Level Courses
FINA 3320 Principles of Finance 3
FINA 3321 Corporate Financial Management 3
FINA 3327 Modern Portfolio Theory 3
Approved 9 hours from FINA 4320, 4322, 4323, 4324, or 4325 9

18 Credits
Total 21 Credits

Course Listing
FINA 2310 Personal Finance (3)
Topics include personal financial planning, borrowing and saving through banks and other financial institutions, insurance, tax problems, and personal investing. Not open to business majors.

FINA 3320 Principles of Finance (3)
Survey of foundational concepts in finance; in particular, discounted cash flow analysis and its application to valuation of bonds, stocks, and corporate capital assets. Introduction to the following topics: bond and stock markets; pricing mechanisms in those markets; relationship between risk and return; capital budgeting methods based on discounted cash flow valuation. Prerequisites: ACCT 2301, ECON 2301, and MNGT 2301. F and S

FINA 3321 Corporate Financial Management (3)
Foundational concepts of modern corporate finance that every financial professional should know. Core topics include capital budgeting and long-term financing. Capital budgeting: application of valuation methods to long-term investment decisions. Long-term financing: how the corporation will raise funds to pay for its investments. Key issues include leverage, capital structure, and financial distress; dividend policy; methods for raising capital; and corporate control and governance. Prerequisite: FINA 3320. S

FINA 3327 Modern Portfolio Theory (3)
Comprehensive investigation of modern portfolio theory. Unifying theme: optimization of the trade-off between risk and return. Examination of asset pricing models and security analysis issues within this framework. Course culminates in a discussion about investment companies, portfolio management, and performance evaluation. Prerequisite: FINA 3320. F

FINA 4320 International Finance (3)
Comprehensive study of two broad topics: currency exchange mechanisms in theory and practice, including international monetary systems; and currency risk management, including interest rate and currency derivatives. Prerequisite: FINA 3320. S04

FINA 4322 Management of Financial Institutions (3)
Capstone course on the management of financial institutions in the post-Glass-Steagall world where integrated financial service companies play a greater role. Examination of risk measurement, risk management, regulatory compliance, and profitability from a manager's perspective. Risk management topics include hedging with futures and options, interest rate swaps, and loan securitization. Prerequisites: FINA 3320 and ECON 3322.

FINA 4323 Corporate Valuation & Financial Strategy (3)
Topics course in corporate finance. Topics may include: valuation of real assets, including application of option pricing theory to valuation of contingent claims; capital structure, taxes, and corporate strategy; issues related to corporate control, including managerial incentives, information conveyed by financial decisions, and agency problems; and financial risk management and corporate strategy. Prerequisite: FINA 3320.

FINA 4324 Structure of Capital Markets (3)
Course focuses on the structure of capital markets and the behavior of investors in those markets. In-depth exploration of one or more of the following topics: capital market efficiency and its consequences for financial decision making; capital market microstructure; role and function of investment companies and pension funds. Prerequisite: FINA 3320. S
FINA 4325 Options and Futures (3)
Introduction to options, futures, and other derivative securities. Topics include option valuation models, principles of forward and futures pricing, structure of markets for derivative securities, and strategies for hedging and speculation. Prerequisite: FINA 3320.

FINA 4340 Financial Statement Analysis (3)
This integrative course uses ratio and trend analysis to evaluate a company's financial position through time, among its domestic and international industry competitors, and within the global economy. Accounting recognition and disclosure requirements are used to interpret publicly available information and apply conclusions to investment and lending decisions. Relevant macroeconomic and financial information resources are applied. Prerequisites: ACCT 2301, ACCT 2302, and FINA 3320. S04

FINA 4389 Selected Topics in Finance (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. Prerequisite varies.

FINA 4391 Contract Study in Finance (1-3)
An individual independent study course or research project that addresses a topic not offered in the curriculum. Prerequisite varies.

FINA 4392 Internship (3)
A supervised field and academic experience. May be repeated once for credit for distinctly different learning experiences. Prerequisite: FINA 3320, 3321, 3327, and completed internship application form with permission of academic advisor, area coordinator, and experiential learning program coordinator.
## DEGREE PLAN: BBA IN FINANCE

### Freshman Year

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### Senior Year

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Fine Arts

(Minor Only)

Administered by the Department of Humanities and Fine Arts within the College of Arts and Sciences. Consult with the departmental office or the College of Arts and Sciences Academic Advising Office for a list of faculty advisors.

The Fine Arts minor allows for the exploration of the visual and performing arts to give students a broad based and diverse education in the fine arts. The minor is 18 to 21 hours.

Students minoring in Fine Arts are required to have a minimum of 18 semester credit hours as follows:

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>ARTS 1301</td>
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<tr>
<td>MUSI 1306</td>
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<tr>
<td>DRAM 2301</td>
<td>Theatre Appreciation</td>
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</table>

**Subtotal:** 9

The remaining nine semester hours may be any combination of junior or senior level courses in Art and/or Drama.

**Total:** 18 hours
Geography

(Minor Only)

Administered by the Department of Behavioral Science within the College of Arts and Sciences. Consult with the departmental office or the College of Arts and Sciences Academic Advising Office for a list of faculty advisors.

The University of Texas of the Permian Basin offers a minor in Geography. Students majoring in other fields will find Geography a strong support minor. Geography is useful in a broad range of employment fields including urban and rural planning, environmental planning, and transportation. Geography is a particularly useful field for those seeking teacher certification.

Minor Requirements

The total semester credit hours required for a minor in Geography is 18.

Students minorin in Geography are required to have 18 semester credit hours from the following courses: GEOG 1301, GEOG 1302, GEOG 3301, GEOG 3302, GEOG 3307, GEOG 4303 and GEOG 4304.

TExES/ExCET Requirements

Candidates for TExES/ExCET tests in 4-8 Social Studies and 8-12 Social Studies must have completed the courses listed for each area below (or equivalent courses).

4-8 Social Studies: ECON 2301 and 2302; GEOG 1301, 1302, 33xx (elective); HIST 1301 and 1302; HIST 3351; HIST 4341 or 4344; HIST 4354 or 4355; HIST 20th Century (2 courses); PLSC 2301, 2302, and 4335; PLSC 3321 or 4321.

8-12 Social Studies: ECON 2301,2302; GEOG 1301, 1302, 33xx (elective); HIST 1301 and 1302; 2311 or 2321; 2312 or 2322; 3323 or 3324; 3326; 4341 or 4344; HIST 20th Century (2 courses); PLSC 2301, 2302, 4335; PLSC 3321 or 4321.

Course Listing

GEOG 1301 Physical Geography (3)
Introduction to physical geography: landforms; soils; surface water; groundwater; climate; and vegetation. S04, S06

GEOG 1302 Cultural Geography (3)
Cultural geography defines culture in the context of its setting or landscape. It investigates the hearths or starting points of various cultural phenomena. FS

GEOG 3301 Maps and Map Interpretation (3)
History of maps and mapping, types and uses of maps, sources of maps, map reading and interpretation. Prerequisite: Permission of the instructor. F0S

GEOG 3307 Climatology (3)
A survey of meteorological phenomena and climatological processes. The course describes various types of climates and the reasons for their unique spatial distribution on the Earth. A focus of the course is the role of climates in a human context, especially in agriculture, energy related issues such as solar and hydropower, recreation, natural hazards, and human cultural adaptability.

GEOG 4303 Geography of Middle America (3)
Physical and cultural geography of Mexico, the countries of Central America and the Caribbean islands. Prerequisite: permission of the instructor. S05

GEOG 4304 Geography of South America (3)
Physical and cultural geography of South America. Prerequisite: permission of the instructor. S04

GEOG 4389 Selected Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. May be acceptable for graduate credit.

† Course fulfills general education requirements.
Geology

Administered by the Department of Science and Mathematics within the College of Arts and Sciences.

The Bachelor of Science degree in Geology prepares students for entry-level positions in earth science related professions especially in the petroleum industry, environmental geology, graduate school, and teaching. The Geology curriculum provides students with excellent theoretical and practical background, but is not so narrowly focused as to limit opportunities in a rapidly changing marketplace. Because rocks belonging to almost all geologic systems and the Permian Capitan Reef crop out are near The University in the Permian Basin, field studies are an important component in the curriculum.

Degree Requirements

The total semester credit hours required for a Bachelor of Science degree in Geology is 120.

**General Education Degree Requirements**

44 credit hours

Students must complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog. In meeting the general education requirements Geology majors should include the following:

<table>
<thead>
<tr>
<th>Math Requirement</th>
<th>MATH 2413, 2414 and COSC 1335</th>
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</thead>
<tbody>
<tr>
<td>Science Requirement</td>
<td>GEOL 1401 and 1402</td>
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</table>

**Computer Use**

Students majoring in Geology must demonstrate basic use of computer through the completion of COSC 1335.

**Additional Requirements**

NTSC 4311
CHEM 1331/1133, 1332/1134
PHYS 1401, 1402 or 2425, 2426
*MATH 2413, 2414
Literature (3 credits at the 2000 or 3000 or 4000 level)

*Course fulfills general education requirements.

**Geology Requirements**

Take all of the following:

- GEOL 1401 Physical Geology
- GEOL 1402 Historical Geology
- GEOL 3403 Mineralogy
- GEOL 3404 Igneous and Metamorphic Rocks
- GEOL 3405 Structural Geology
- GEOL 3407 Introduction to Paleontology
- GEOL 3408 Sedimentary Rocks
- GEOL 4600 Field Geology

Electives can be selected from any of the courses listed in geology

**MINOR**

Minors can be completed from one of the following disciplines: Biology, Chemistry, Computer Science, Environmental Science, Geography, Mathematics, or Physics.

**Geology Minor**

GEOL 1401 and GEOL 1402, totaling eight credits, are required courses. Ten additional credits, totaling a minimum of at least 18 credits, can be earned by selecting courses from the following list: GEOL 3314, GEOL 3317, GEOL 3318, GEOL 3407, GEOL 3429, GEOL 4316, and GEOL 4100.
Course Listing

GEOL 1401 Physical Geology (4)*
Survey of earth's structure, composition, and the dynamic processes that through time have resulted in the modern distribution of the Earth's geographic regions, landforms, and resources. FS

GEOL 1402 Historical Geology (4)*
Study of earth's origin, geologic time, and the major sequential physical and biological events that culminate in the modern distribution of ecosystems. Special emphasis is placed on the geologic history of North America. Prerequisite: GEOL 1401 or permission of instructor. FS

GEOL 3314 Minerals and Rocks (3)
Rock-forming minerals and common igneous, sedimentary, and metamorphic rocks. Includes a laboratory. Not for geology majors. S

GEOL 3316 Introduction to Groundwater (3)
Basic terminology and concepts, evaporation, precipitation, runoff, stream flow, aquifer properties, groundwater flow, soil moisture, groundwater recharge, regional groundwater flow, and the geology of groundwater occurrence. Prerequisites: GEOL 1401, MATH 2412, or permission of instructor. S

GEOL 3317 Environmental Geology (3)
The application of geologic information to the resolution of problems resulting from the interaction of people and their physical environment. Special emphasis is placed upon the relationships between cultural and natural ecosystems and their geological settings. Prerequisites: GEOL 1401 or permission of instructor. F

GEOL 3318 Oceanography (3)
Geological, physical, chemical, and biological aspects of the marine environment, including marine geomorphology and depositional environments. Prerequisites: GEOL 1401 and/or BIOL 1306, or permission of instructor. S

GEOL 3403 Mineralogy (4)
Symmetry. Morphological and optical crystallography. Crystal chemistry. Origin and distribution, classification, identification, and description of minerals, especially the rock-forming minerals, in hand specimen and using the polarizing microscope. Prerequisites: GEOL 1401, CHEM 1332/1334, one year of physics, or permission of instructor. F

GEOL 3404 Igneous and Metamorphic Rocks (4)
Origin and distribution, classification, identification, and description of igneous and metamorphic rocks in hand specimen and using the polarizing microscope. Two field trips are required. Prerequisites: GEOL 3403 or equivalent or permission of instructor. S

GEOL 3405 Structural Geology (4)
Principles of structural geology, including theory of rock behavior under stress, and descriptions of major structural features. Prerequisites: GEOL 1401, MATH 2414, and PHYS 1402 or equivalents, or permission of instructor. F

GEOL 3407 Introduction to Paleontology (4)
History and evolution of life based on fossil evidence. Prerequisite: GEOL 1402 or BIOL 1306, or permission of instructor. F

GEOL 3408 Sedimentary Rocks (4)
Origin, identification, and description of sediments, sedimentary environments, and sedimentary rocks and principles of stratigraphy. Studies of hand specimens, thin sections, and exercises demonstrating mechanisms governing sedimentation and formation of sedimentary structures are done in the laboratory. Two weekend field trips are required. Prerequisites: GEOL 1401, GEOL 3403, or permission of instructor. S

GEOL 3429 GIS and GPS Applications (4)
This course involves the acquisition of actual geographic, geologic, and biological field data using a Trimble GPS system and various surveying equipment; and interpretation and graphic presentation of this information using GIS (Arc View) software. No previous experience with either GIS or GPS systems is required. Three days will be spent in the field gathering data. Prerequisites: GEOL 1401 and 1402, or permission of instructor. F

GEOL 4100 Basic Field Methods (1)
Collection of data in the field. To include: interpretation and construction of geologic and topographic maps, construction of column and cross-sections, examination of petrographic systems and structural settings in the outcrop or subsurface settings. Formations ranging from Precambrian through Cretaceous are studied. For Earth Science majors. Prerequisites: GEOL 1401 and 1402, or permission of instructor. Summer
GEOL 4316 Earth Resources and the Environment (3)
Geology, origin, and general economics of mineral and fuel deposits, their importance to the national economy, current problems of supply, and environmental problems faced by the mining and oil industries. Prerequisite: GEOL 3317 or permission of instructor. S

GEOL 4324 Ore Deposits (3)
Origin, characteristics, and migration of ore-bearing solutions; controls of ore deposition; and geologic associations, distribution, exploration for, and exploitation of ore deposits. Prerequisite: GEOL 3404, 3405, and 3408, or equivalents or permission of instructor. S

GEOL 4427 Geology of the Permian Basin (4)
Covers the Paleozoic formations in both outcrop and in the subsurface that are found within 300 miles of Odessa. The depositional and structural history and diagenetic overprint are studied. The history of outcrop studies and subsurface exploration and development are discussed. Special emphasis is placed on understanding the correlation of formations from surface to subsurface, and within and between basins and platforms. Cores and logs are used. Prerequisites: GEOL 1401, 1402, 3408, or permission of instructor. F

GEOL 4429 Applied Geophysics (4)
This course covers techniques that provide understanding of the Earth’s structure and composition. These include seismic, gravity, magnetic and heat flow studies. Geophysical techniques employed to find minerals and water are included. Prerequisites: GEOL 1401, 3405, and MATH 2412, or permission of instructor. Calculus can be helpful but is not required. F

GEOL 4600 Field Geology (6)
Field techniques for systematic geologic mapping utilizing topographic maps. Consult your academic advisor. Students majoring in geology will need to make arrangements at another school for completion of this required course. Prerequisites: GEOL 3404, 3405, 3407, and 3408. Summer

*Course fulfills general education requirements.

Emilio Mutis-Duplat, PhD
Professor of Geology

In 30 years at UTPB, Dr. Mutis-Duplat has worked with a multitude of graduate students in geology and he continues to monitor their professional progress. His research interests include the geology of Mason County, Texas, and the geology of the San Mateo Mountains in New Mexico.
NOTES ON GRADUATING:
1. Read the U. T. Permian Basin catalog and be familiar with the University’s requirements for the BS degree. It is the student’s responsibility to read the catalog and be familiar with and fulfill all the requirements for the BS degree.
2. At least 54 credits must be at the junior or senior level. At least 30 of these must be completed at U. T. Permian Basin.
3. Students majoring in Geology seeking secondary teacher certification are not required to complete a minor, but must complete a minimum of 24 credits in their second teaching field.
4. Obtain at least a C grade in all General Education, minor, and Geology courses counting to the minimum course requirements. Maintain at least a grade point average of 2.0 or C in all courses applicable toward the BS degree.

General Education Requirements (30 hours):
- English Composition, 6 semester credit hours
- Literature, 3 semester credit hours
- U.S. History, 6 credits (2 courses) 1301, 1302 recommended
- U.S. and State Government, 6 credits (2 courses) 2301, 2302
- Communication, 3 semester credit hours
- Visual and Performing Arts, 3 semester credit hours
- Social Science, 3 semester credit hours

DEPARTMENTAL REQUIREMENTS:
- Literature, 3 semester credit hours
- CHEM 1331/1133 General Chemistry I with Lab, 4 hours
- CHEM 1332/1134 General Chemistry II with Lab, 4 hours
- COSC 1335 Computers and Problem Solving, 3 hours
- MATH 2413/MATH 2414 Calculus & Analytical Geometry I & II
- NTSC 4311 History & Philosophy of Science, 3 hours
- PHYS 1401/1402 College Physics, 8 semester credit hours
  OR PHYS 2425/2426 University Physics, 8 semester credit hours

GEOLOGY CORE COURSES:
- GEOL 1401 Physical Geology, 4 credit hours
- GEOL 1402 Historical Geology, 4 credit hours
- GEOL 3403 Mineralogy, 4 credit hours
- GEOL 3404 Igneous and Metamorphic Rocks, 4 credit hours
- GEOL 3405 Structural Geology, 4 credit hours
- GEOL 3407 Introduction to Paleontology, 4 semester hours
- GEOL 3408 Sedimentary Rocks, 3 semester credit hours
- GEOL 4600 Field Geology, 6 semester credit hours

GEOLOGY ELECTIVES:
1. 
2. 
3. 
4. 

MINOR:
A minor requires 18 credit hours of which 12 credit hours must be completed at the junior and senior level.

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</table>
History

Administered by the Department of Humanities and Fine Arts within the College of Arts and Sciences.

The study of history represents humanity's attempt to understand the past, not only what happened but why it happened. It has been said that those who ignore history are doomed to repeat the mistakes of the past. Thus, the study of history leads to an understanding of human present behavior, customs, and traditions and also provides a basis for understanding future developments.

History is an ideal major for students preferring a broad liberal arts education. It also provides good preparation for a number of careers including government, industry, writing, and other fields. History is a basic major for those preparing to teach history or social studies at all levels.

The history program provides preparation typical of baccalaureate degree programs in history elsewhere, while at the same time allowing flexibility so students may build an emphasis in an area or areas of special interest.

Degree Requirements

The total semester credit hours required for a B. A. in History is 120.

General Education 44 credits

Complete the requirements shown in the General Education Requirements on pages 51-52 of this catalog.

Students who have completed two lower level courses in American history before enrolling U. T. Permian Basin may include them in the 30 hours of credit in history required for majors.

Computer Use:

All majors must demonstrate a basic use of computing through completion of COSC 1301, COSC 1335, or similar computer science course which requires actual use of computers. COSC 1335 may be used to meet both this requirement and the general education requirements.

Major Requirements

While there are not specifically required courses for majors, students must complete at least one upper level (3000 or 4000 number) course (3 semester credit hours) in each of four fields: American history to 1900; twentieth-century American history; European history; Latin American history. It is desirable that these courses be completed during the junior year.

Courses Satisfying Field Requirements

1. American History to 1900
   HIST 3353 Southwestern United States
   HIST 3355 Slavery in America
   HIST 4341 Colonial America
   HIST 4342 The National Period in American Life
   HIST 4343 The Age of Jackson, 1828-1860
   HIST 4344 Revolutionary America
   HIST 4351 History of American Thought, I
   HIST 4354 Civil War and Reconstruction
   HIST 4355 The American South
   HIST 4361 American Foreign Relations to 1920
   HIST 4375 Women in Early America
   HIST 4379 Studies in American History

2. Twentieth-Century American History
   HIST 3351 Modern Texas
   HIST 3371 American Minorities
   HIST 4352 History of American Thought, II

170 UTPB 2003–2005 Undergraduate Catalog
3. **European and Asian History**
   - HIST 3312 Imperial Rome
   - HIST 3323 The Renaissance
   - HIST 3324 The Reformation
   - HIST 3326 Europe Since 1815
   - HIST 3331 Tudor-Stuart England
   - HIST 3332 Great Britain Since 1714
   - HIST 4330 Modern Germany
   - HIST 4333 Modern China
   - HIST 4335 Twentieth Century Revolutions
   - HIST 4336 Nazi Germany
   - HIST 4339 Studies in World History

4. **Latin American History**
   - HIST 3320 Survey of Modern Latin America
   - HIST 4310 19th Century Mexico
   - HIST 4311 Modern Mexico
   - HIST 4312 Issues in Latin America
   - HIST 4339 Studies/World History

Courses are selected by students and their advisor in the context of background, preparation, interests, needs and professional plans.

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**Minor in History**

A minor in history consists of 18 semester credit hours, 12 of which must be at the upper level.

Students declaring history as a second teaching field must fulfill all requirements for the major in history.

**Lower Level**

<table>
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<tr>
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<th>Title</th>
<th>Credits</th>
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<td>HIST 1301</td>
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</tr>
<tr>
<td>HIST 1302</td>
<td>U.S. History since 1877</td>
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**Upper Level**

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<th>Title</th>
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</tr>
<tr>
<td>History</td>
<td>Any upper level</td>
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</table>

**Total 18**

**TExES/ExCET Requirements**

“To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-4 or 4-8 must take at least 9 hours of math (may include statistics) at or above college-level algebra and at least 12 hours of science. They should plan accordingly when meeting general education and elective course requirements. Students seeking certification as a 4-8 Generalist must take at least 12 hours of math and 14-16 hours of science. (Students certifying to teach 4-8 Math or Science will have additional hours in their respective disciplines.)”

Candidates for TExES/ExCET tests in History must have completed the courses listed for each area below or equivalent courses.

**8-12 History:** Meet the requirements for the History major, including HIST 3351
8-12 Social Studies: ECON 2301, 2302; GEOG 1301, 1302, 33xx (elective); HIST 1301 and 1302; 2311 or 2321; 2312 or 2322; 3323 or 3324; 3326; 4341 or 4344; HIST 20th Century (2 courses); PLSC 2301, 2302, 4335; PLSC 3321 or 4321.

4-8 English Language Arts /Reading /Social Studies Composite: ECON 2301; GEOG 1301 and 1302; HIST 1301 and 1302; HIST 3351; HIST 4341 or 4344; HIST 4354 or 4355; PLSC 2301, 2302, and 4335. ENGL 23xx (literature); ENGL 3300; ENGL 3340 or 3371 or 3372; ENGL (drama); ENGL (fiction); ENGL (poetry); ENGL 23xx, 33xx, or 43xx; 3400 is recommended. Must include at least one course in British literature and one course in American literature and one course at the senior (4000) level. Must also complete EDUC 3322, 4324, 4325, and 4375.

4-8 Social Studies: ECON 2301 and 2302; GEOG 1301, 1302, and 33xx (elective); HIST 1301 and 1302; HIST 3351; HIST 4341 or 4344; HIST 4354 or 4355; HIST 20th Century (2 courses); PLSC 2301, 2302, and 4335; PLSC 3321 or 4321.

Course Listing

Students needing to satisfy Texas State Statute requirements may do so by successfully completing any two United States or American history courses marked *.

*HIST 1301 History of the United States to 1877 (3)* (HIST 1301)
A survey of major social, economic, and political developments in the United States from European colonization through Reconstruction. FS

*HIST 1302 History of the United States Since 1877 (3)* (HIST 1302)
A survey of major social, economic, and political developments in the United States from 1877 to the present. FS

HIST 2312 World Civilizations Since 1500
The development and interactions of the world’s major civilizations from 1500 to the present.

HIST 3312 Imperial Rome (3)
This course surveys Roman history from its ancient foundations through the era of the republic to its eventual decline as an empire.

HIST 3320 Survey of Modern Latin America (3)
A survey of the development of Latin America from independence to the present. F04

HIST 3323 The Reformation Era (3)
This course traces the development of the religious reformation of the 15th and 16th centuries and its impact on society, government and economy in Western Europe. S

HIST 3324 The Renaissance (3)
This course examines the context, concept and contribution of the Renaissance of the 15th and 16th centuries in Western Europe. F

HIST 3326 Europe Since 1815 (3)
Major social, economic, political, and intellectual developments in Western Europe from 1815 to the present. F04

HIST 3331 Tudor-Stuart England (3)
Political, religious, economic, and social development of England between 1485 and 1714. F

HIST 3332 Great Britain Since 1714 (3)
Political, economic, and social development of Great Britain and its empire from 1714 to the present. S

*HIST 3351 Modern Texas (3)*
Political, social, economic, and historical development of modern Texas. Includes field work in state and local history. FS

*HIST 3353 Southwestern United States (3)*
Development of analytical and writing skills through use of primary source materials relating to regional history. Training and practice in oral history techniques.

*HIST 3355 Slavery in America (3)*
The establishment, experience and end of slavery in the United States, 1619 to 1865.

HIST 3370 American Oratory (3)
An historical study of significant speakers and speeches in American history and culture with an emphasis on the development of a uniquely American approach to public address and its influence on the development of rhetorical theory and practice.
*HIST 3371 American Minorities (3)†
Experiences and contributions of minorities in the development of American political and cultural traditions and institutions.

HIST 3391 Contract Study (3)
Students who are pursuing independent study or research as described in the contract study format.

HIST 4308 History of the Mexican/United States Border (3)
The development of the border from the perspective of the border population from 1848 to the present. F04

HIST 4310 19th Century Mexico (3)
The history of Mexico from 1750 to 1920. The course will assess the major historical elements that contributed to Mexico’s evolution from the late colonial period through the Mexican Revolution. F03

HIST 4311 Modern Mexico (3)
The history of Mexico from 1910 to the present. The course will assess the major historical elements that contributed to Mexico’s evolution from the Mexican Revolution through the present. S04

HIST 4312 Issues in Latin America (3)
An interpretative review of the recent history of selected Latin American countries, including Cuba, Brazil, Argentina, Chile, and Mexico. S05

HIST 4330 Modern Germany (3)
Germany from the French Revolution to the 1990 reunification, with emphasis on political, economic, and social aspects.

HIST 4333 Modern China (3)
China from the Qing dynasty to the People’s Republic, with emphasis on both internal developments and the encounter with Western technology and culture.

HIST 4336 Nazi Germany (3)
Seminar for reading and research about and discussion of the rise and fall of Hitler’s Third Reich. S04, S05

HIST 4339 Studies In World History (3) (title may vary)
Reading, research and discussion devoted to selected topics in world history.

*HIST 4341 Colonial America (3)†
Founding and development of the North American colonies to 1763.

*HIST 4342 The National Period in American Life 1775-1828 (3)
An analysis of the events and policies which secured the life of the New Nation. F

*HIST 4343 The Age of Jackson 1828-1860 (3)
An analysis of the political, social, economic, and intellectual developments of the Jacksonian era and their impact on American life. S04

*HIST 4344 Revolutionary America (3)
Major political, social, economic and intellectual developments of the American Revolutionary Era (1763-1789).

HIST 4347 Twentieth Century US to 1952 (3)
Political, economic, social, and foreign affairs contributing to the twentieth century development of industrial, urban America into the cold war era.

HIST 4348 Twentieth Century US since 1952 (3)
Political, economic, social, and foreign affairs contributing to U.S. development in the last half of the twentieth century.

*HIST 4351 History of American Thought I (3)†
English antecedents, Puritan theology, the Enlightenment, transcendentalism, and ante bellum thought. F03

*HIST 4354 Civil War and Reconstruction (3)
Causes of conflict, the course of war, and the consequences for both North and South in the United States.

*HIST 4355 The American South (3)†
Social, economic, political, and intellectual trends in the historic and modern South. S04

*HIST 4356 U. S. Southern Leaders (3)†
Ideas and issues arising from the study of selected American southern leaders.
HIST 4357 A History of Leadership (3)
Consideration is given to how the phenomenon of leadership has developed over time — as well as, how the various theories have been utilized.

HIST 4358 National Leadership in the Dilemma of Democracy (3)
Readings, discussions, and research on the nature of leadership and its ramifications for American life.

HIST 4359 Mexican Leaders (3)
Readings, discussions and research on the nature of leadership in Mexico and its influence on the development of Mexico since 1910. S04

HIST 4362 American Foreign Relations Since 1920 (3)†
Foreign policy and relations involved in the development of America in the period from 1920 to the present. S04

HIST 4363 Vietnam War (3)
Foreign and domestic policies and the military experience of the United States involvement in the Vietnam War.

HIST 4364 U.S./Latin American Relations (3)
Relations between the United States and Latin America from 1899 to the present. F03

HIST 4374 Historic Preservation (3)
Examination of the methods, goals, and contributions of the preservation and restoration of the built environment in material culture and public history.

HIST 4375 Women in Early America (3)†
Changing nature of the family and the role of women in America from the seventeenth to the mid-nineteenth century. F

HIST 4376 Women in Modern America (3)†
Changing nature of the role of women in America from the late nineteenth century to the present. S

HIST 4377 Chicano/a History (3)
This course will assess the development of the American population of Mexican descent from 1835 to the present.

HIST 4378 American Black Leaders (3)
Ideas and issues arising from a study of selected African-American leaders.

HIST 4379 Studies in American History (3)†
Reading, research and discussion devoted to selected topics in history.

HIST 4391 Contract Study (3)
Advanced independent study or research (equivalent to senior level course). These courses will not count for graduate credit.

* These courses meet the State of Texas requirements for History.
† Course fulfills general education requirements

Jaime Aguila, PhD
Assistant Professor of History

Dr. Aguila obtained his BA and Master degrees from the University of California, Davis. His major was European and African history. His master's degree was on Ancient European history with an emphasis on late-Roman Republican historiography. His Ph.D. (2000) is from Arizona State University and his fields of study were Modern Mexico, 20th century South American and Policy Studies. Dr. Aguila is currently writing a book about Mexican emigration to the United States and the Mexican consular system. He is also the 1st and current women's soccer coach at UTPB.
# DEGREE PLAN: BA IN HISTORY

**GENERAL EDUCATION REQUIREMENTS (44 sch)**
- English Composition (6 sch)
- U.S. History (6 sch)
- Literature (3 sch)
- Mathematics (6 sch)
- Lab Science (8 sch)
- Political Science (6 sch)
- Visual or Performing Art (3 sch)
- Communication (3 sch)
- Social Science (3 sch)
- Computer Science

**DEGREE REQUIREMENTS:**
1. It is the student's responsibility to read the catalog and be familiar with and fulfill all the requirements for the BA degree.
2. Complete at least 120 sch for the BA degree. At least 30 of these must be completed at U. T. Permian Basin and at least 24 of the last 30 must be taken at U. T. Permian Basin.
3. At least 54 sch must be at the upper level.
4. Complete at least 18 sch in a minor. Refer to the catalog for specific requirements for each minor.
5. Obtain at least a C grade in ALL MAJOR courses. Maintain a GPA of 2.0 or C in all courses applicable toward the BA degree. Students seeking teacher certification must maintain a GPA of at least 2.75 in all History courses.

**HISTORY MAJOR: 30 semester credit hours:**
The History major consists of 30 sch. A minimum of 21 sch must be upper level. The 30 sch should include HIST 1301 & 1302, at least one course from each of the following 4 groups.

**REQUIRED FRESHMAN HISTORY COURSES:**
- HIST 1301 History of the United States to 1877
- HIST 1302 History of the United States since 1877

**GROUP I: AMERICAN HISTORY TO 1900:**
- HIST 3353 Southwestern United States
- HIST 3355 Slavery in America
- HIST 4341 Colonial America
- HIST 4342 The National Period in American Life 1775-1828
- HIST 4343 The Age of Jackson, 1828-1860
- HIST 4344 Revolutionary America
- HIST 4351 History of American Thought, I
- HIST 4354 Civil War and Reconstruction
- HIST 4355 The American South
- HIST 4375 Women in Early America
- HIST 4379 Studies in American History

**GROUP II: 20th CENTURY AMERICAN HISTORY**
- HIST 3351 Modern Texas
- HIST 3371 American Minorities
- HIST 4358 National Leadership in the Dilemma of Democracy
- HIST 4362 American Foreign Relations Since 1920
- HIST 4363 Vietnam War
- HIST 4368 Business in Modern America
- HIST 4373 Urban America
- HIST 4376 Women in Modern America
- HIST 4379 Studies in American History

**GROUP III: EUROPEAN and ASIAN HISTORY**
- HIST 3312 Imperial Rome
- HIST 3323 The Reformation Era
- HIST 3324 Renaissance
- HIST 3326 Europe Since 1815
- HIST 3331 Tudor-Stuart England
- HIST 3332 Great Britain Since 1714
- HIST 4330 Modern Germany
- HIST 4333 Modern China
- HIST 4335 Twentieth Century Revolutions
- HIST 4336 Nazi Germany
- HIST 4339 Studies in World History

**GROUP IV: LATIN AMERICAN HISTORY**
- HIST 3320 Survey of Modern Latin America
- HIST 4310 19th Century Mexico
- HIST 4311 Modern Mexico
- HIST 4312 Issues in Latin America
- HIST 4339 Studies/World History

**ELECTIVES:**
- HIST 2312 World Civilizations Since 1500
- HIST 4357 A History of Leadership
- HIST 4374 Historic Preservation
- HIST 4391 Contract Study

**MINOR:**
In general, a minor consists of 18 sch, of which 12 sch must be upper level, but refer to the catalog for specific requirements for minors.

1. 
2. 
3. 
4. 
5. 
6. 

UTPB 2003–2005 Undergraduate Catalog 175
Humanities

Administered by the Department of Humanities and Fine Arts within the College of Arts and Sciences.

The Bachelor of Arts degree program in Humanities is multidisciplinary and is designed for students who desire a liberal education but do not wish to specialize. The program focuses primarily on humanistic studies as they have been traditionally conceived. The humanities concentration is considered a wise choice for a student in law, theology, the liberal arts, elementary and secondary education and certain other fields.

Degree Requirements

The minimum and maximum credits required for a B.A. in Humanities is 120.

**General Education**

44 credits

Complete the requirements shown in the general education requirements section on pages 51-52 of this catalog.

**Computer Use:**

All majors must demonstrate a basic use of computing through completion of COSC 1335 or a similar computer science course which requires the actual use of computers. COSC 1335 may be used to meet both this requirement and the general educational requirements.

**Humanities Major Requirements**

54 credits

54 credits must be completed in not less than two nor more than four of the following fields: art, foreign language (sophomore), history, English (sophomore level and above), and drama.

At least 36 of these 54 credits must be taken at the junior and senior level.

The specific program must be devised by the student in consultation with the advisor to meet the broad requirements outlined in this section. It should, in addition, demonstrate intellectual coherence and reflect the student's thoughtful considerations of her or his educational background and professional and intellectual goals.

No minor is required in the Humanities major.

**STUDENTS SEEKING TEACHER CERTIFICATION WITH THIS MAJOR MUST CONSULT WITH THEIR CERTIFICATION ADVISOR FOR THE APPROPRIATE EDUCATION COURSES AND APPROPRIATE HUMANITIES COURSES TO TAKE TO COMPLETE THEIR CERTIFICATION REQUIREMENTS.**

To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-4 or 4-8 must take at least 9 hours of math (may include statistics) at or above college-level algebra and at least 12 hours of science. They should plan accordingly when meeting general education and elective course requirements. Students seeking certification as a 4-8 Generalist must take at least 12 hours of math and 14-16 hours of science. (Students certifying to teach 4-8 Math or Science will have additional hours in their respective disciplines.)

* Please refer to pages 50-51 of the catalog for choices to satisfy these requirements.
General Education Requirements: See catalog for specific choices. (44 sch) C average.

- English Composition, 1301 & 1302
- Literature
- U.S. History 1301 & 1302
- State and National Government, 2301 & 2302
- Lab Sciences, 8 credits (2 courses with lab)
- Mathematics, (college algebra or above)
- Mathematics, (Logic or computer science or statistics of math beyond college algebra)
- Communication
- Social Science
- Visual or Performing Arts

Discipline I: ___________________________
Credit  Grade  Course

Discipline II: ___________________________
Credit  Grade  Course

Discipline III: ___________________________
Credit  Grade  Course

Discipline IV: ___________________________
Credit  Grade  Course

Degree Requirements:
It is the student’s responsibility to read the catalog and be familiar with all requirements for the B. A. degree.

1. Complete at least 120 semester credit hours for the B. A. degree.
2. Complete at least 54 hours at the junior or senior level. At least 30 of these must be completed at U. T. Permian Basin.
3. Earn at least a C grade in all Humanities courses counting toward the minimum course requirements.

A degree in Humanities requires 54 credits in two to four of the following fields: art, drama, English, (sophomore level and above), foreign language, (sophomore level and above), and history. At least two-thirds (36 credits) of courses in the humanities must be taken at the upper level.
Information Systems

Administered by the Department of Science and Mathematics within the College of Arts and Sciences.

The overall goal of the Information Systems program is to provide its graduates with basic information systems and computing skills. This much is in common with computer science, though the computing skill set is somewhat different. The program is distinguished from computer science in that it provides a very strong background in business skills, including an emphasis on how information systems fit into a modern business organization.

Degree Requirements

The minimum total credits required for a Bachelor's of Science in Information Systems is 127.

General Education

Students must complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog. The two courses in laboratory sciences (as part of the General Education Core) must form a two-course sequence. In addition to the basic requirements, students must complete a second literature course at the sophomore or junior level and the two capstone courses, NTSC 4301 and NTSC 4311. In some cases, specific courses must be selected to meet a particular general education requirement, for example, in mathematics. Please see below in the degree plan outline.

Computer Use

All majors must demonstrate a basic use of computer applications software through completion of COSC 1335 or its equivalent and of programming in Java through completion of COSC 1430 and COSC 2430.

Major Requirements

All students are expected to complete COSC 1335, 1430, and 2430 or their equivalents before beginning the other major courses. These courses introduce general computer concepts and applications and develop programming skills. Programming skills are broadened through the completion of a course in a second high-level programming language.

Foundation courses:

These courses include the general education core and additional foundational courses from the School of Business. It is recommended that the general education courses in English and mathematics and the business core courses in economics, accounting, and statistics be completed as soon as possible, since they are prerequisites for many major and minor program courses.

General education core 47 - 49 credits

<table>
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<tr>
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<td>HIST 1301, 1302</td>
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<tr>
<td>PLSC 2301, 2302</td>
<td>6</td>
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<tr>
<td>ENGL 23xx, 23xx or 33xx or SPAN 3xxx, 4xxx</td>
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<td>ARTS 1311</td>
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<td>COMMUNICATION</td>
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<td>MATH 1324 and 1325</td>
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Business Core 18 credits

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UTPB 2003-2005 Undergraduate Catalog
**Required courses:**

These courses are the heart of the information systems program. They include the major program, the minor program, and the capstone experience.

**The major program**

<table>
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<tr>
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<tr>
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Two elective courses from among:

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<td>COSC 4460</td>
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**The minor program**

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**Capstone courses**

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<tr>
<td>Total upper division credits</td>
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**Courses freely elected**

Upper level courses sufficient to satisfy the requirement of at least 54 upper level credits must be elected. The elective hours will range from nine to 11 credits.

| Total credits | 127 - 129 |

No more than 52 hours in any combination of computer science and information systems courses may be applied toward the 127 semester hour minimum requirement for a degree.

**Information Systems as a Minor**

Because of its dependence on business courses as an integral part of the curriculum, there is no minor in information systems. Students wishing to minor in a computing and information systems related area should consider the minor in computer science.
TExES/ExCET Requirements

Candidates for TExES/ExCET tests in information systems must complete the courses listed below or equivalent courses as approved by an information systems advisor.

- COSC 1335 Computers and Problem Solving 3
- COSC 1430 Introduction to Computer Science I 4
- COSC 2430 Introduction to Computer Science II 4
- COSC 2320 C Programming 3/4
  or another course in a high level language approved by the advisor
- COSC 3310 Digital Computer Organization 3
- COSC 3315 Information Systems Design 3
- COSC 4415 Database Systems 4
- ACCT 4311 Information Systems Theory and Analysis 3

Total credits 27/28

Relationship of Information Systems and Computer Science

It is not possible to double major in information systems and in computer science or to major in information systems and minor in computer science or vice-versa. Students interested in the computer science major with an information systems emphasis may elect to complete the computer science major while completing the essential business core for information systems. This option requires that the mathematics taken follow the requirements of the computer science program and that the general business minor be completed. Interested students should consult with a computer science advisor as early in the program as possible.

Course Listing

COSC 1335 Computers and Problem Solving (3)
Introduction to basic issues related to computer aided problem solving. Computational problems will be studied using software packages, including spreadsheets and database systems. Use of the Internet and the World Wide Web as problem solving resources is included. Basics of computer systems will be introduced. Same as Business Field of Study course COSC/BCIS 1305. Prerequisite: college algebra or equivalent. F,S

COSC 1430 Introduction to Computer Science I (4)
Computer organization, algorithm design, programming, and elementary data structures. Introduction to programming in a high-level language. Prerequisite or corequisite: MATH 1332 or 1324 or 2412 or equivalent. F,S

COSC 2320 C Programming (3)
Programming in C, investigating the characteristics and implementation. Prerequisite: COSC 2430.

COSC 2430 Introduction to Computer Science II (4)
Continuation of COSC 1430. Data structures, data abstraction, information hiding. Advanced programming in the language of the current COSC 1430. Prerequisite COSC 1430. F,S

COSC 3310 Digital Computer Organization (3)
Design of arithmetic, control and memory units, binary data representation, error-detecting and error-correcting codes. Prerequisite: COSC 2430. F

COSC 3315 Information Systems Design (3)
Computer systems and relationships between hardware and software components. Emphasis on business system design and analysis. Prerequisite: COSC 2430. S

COSC 3360 Computer Ethics (3)
An introduction to the responsibilities generally and the ethical behavior specifically expected of the computer and information systems professional. Includes the philosophical bases of ethical decision-making and the application of these principles to issues that arise in computing and information systems. Discussion of ethical standards as established by governmental bodies and professional organizations. Prerequisite: COSC 3315.

COSC 4415 Database Systems (4)
Survey of network, hierarchical and relational database systems, their design and operation. Prerequisite: COSC 3315

COSC 4335 Distributed Information Systems (3)
Study of network-based information systems, including distributed database systems. Prerequisite: COSC 4415
COSC 4455 Multimedia and Web Development (3)
Use of software development tools for construction of multimedia and Web pages, including and introduction to HTML and XML. Students will utilize industry standard tools for processing graphics, animation, audio, and video. Prerequisite: COSC 3315

COSC 4460 Software Engineering (4)
Fundamental concepts and general principles for information systems development. Visual modeling, software development life cycle, CASE tools, Web-based information systems. Prerequisite: COSC 3315

COSC 4370 Data Communications (3)
Design and development of computer networks, network types, protocols; transmission rates and data integrity. Prerequisites: COSC 3310 and permission of the instructor.

ACCT 3338 Information Systems Applications (3)
Emphasizes the use of database technology as an information resource tool for managers. Students participate in a comprehensive project using knowledge, skills, and abilities acquired. Prerequisite: ACCT 3333. S

ACCT 4311 Accounting Information Systems (3)
A systems approach to evaluate, plan, and implement accounting information systems. Includes the analysis of and use of appropriate technology. Prerequisites: ACCT 3301 or ACCT 3310 and ACCT 3333 (MNGT 3333) or COSC 3315
# DEGREE PLAN: BS IN INFORMATION SYSTEMS

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<th>Gen Ed Core</th>
<th>Date</th>
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Kinesiology

Administered by the Department of Behavioral Science within the College of Arts and Sciences.

Kinesiology is the study of human movement. The discipline of kinesiology incorporates numerous sub-disciplines which assist in developing our understanding of human movement at work and at play. These sub-disciplines include exercise physiology, anatomical and mechanical analysis of movement, sport and exercise psychology, sociology of sport, motor control, motor learning, and motor development. Students majoring in Kinesiology have an opportunity to study human movement from all of these perspectives and thereby develop an understanding of how human movement affects and is affected by variables related to each sub-discipline.

Kinesiology is not a profession, but a body of knowledge applicable to many professions ranging from teaching to therapy. A major in Kinesiology is appropriate for students interested in elementary and/or secondary physical education and coaching, adult fitness and wellness, youth sports, physical therapy, sport psychology, athletic training, sports medicine, and graduate study in Kinesiology, medicine and allied health. Since coursework beyond the Bachelor of Science degree in Kinesiology is frequently required for each of these interest areas, students are advised to discuss with their advisors their professional aspirations early in their degree programs at The University of Texas of the Permian Basin.

Regardless of students’ reasons for pursuing an undergraduate degree in Kinesiology, they are required to take a series of major core courses. In addition, all students are expected to demonstrate competence in a number of forms of movement (sport, dance, etc.). Interest in a particular sub-discipline or profession is reflected in the specialization area courses that students take. These specialization areas include (1) Pre-Professional Physical Education, (2) Exercise Science and Human Performance, (3) Exercise and Sport Studies and (4) Athletic Training. The culminating experience for all students is completion of an independent study and practicum experience. Through this experience, students have the opportunity to gain expertise and practical experience in a specific professional area.

Lois S. Hale, PhD
Chair of Department of Behavioral Sciences
Professor of Kinesiology

Psychology of sport and exercise, motor learning, motor development, and women in sport are the major teaching interests of Dr. Hale. She is a past-president of the Texas Association for Health, Physical Education, Recreation, and Dance (TAHPERD). Her recognitions include the 2000 Chancellor’s Council Award for Outstanding Teacher at the University, the 2002 Excellence in Teaching Award from the UT System TeleCampus, and the David K. Brace Award from TAHPERD in 2002. In addition to her interests in studying the effectiveness of various mental training techniques on sport performance and self-talk as a mediator of exercise adherence, Dr. Hale writes and does research in the area of distance education.

Degree Requirements

The minimum total credits required for a B. S. in Kinesiology is 120.

General Education

44 Credits

Students must complete the requirements listed in the General Education Requirements section on pages 51-52 of this catalog. In meeting the physical and life science requirement, Kinesiology majors, minors, and all students seeking teacher certification in physical education are required to take 8 semester credit hours in biology.

Computer Use

All Kinesiology majors must demonstrate a basic use of computing through the completion of KINE 3310 and KINE 4300.

Kinesiology Common Course Requirements

Kinesiology majors, minors, and all students seeking teacher certification in physical education must complete either Human Anatomy and Physiology (BIOL 3350/3151, BIOL 3352/3153 for 8 credits) or Anatomy and Physiology for Kinesiology (KINE 2385
for 3 credits) in addition to the biology courses used to meet the general education requirements. Anatomy and Physiology I and II (8 credits), which is often taught at the 2000-level course at the community colleges, will also satisfy this prerequisite requirement. Anatomy and Physiology is prerequisite to many courses in Kinesiology and should be taken early in the degree program.

Kinesiology majors must complete course requirements for one of four specialization areas: (1) pre-professional physical education, (2) exercise science and human performance, (3) sport and exercise studies or (4) athletic training. The choice of specialization area is an important one. It should be strongly influenced by your career goals. Be sure to discuss each area with your academic advisor prior to completing a degree plan. Students are urged to consult with their faculty advisors for specific degree planning early in their academic careers and frequently throughout their tenure at The University of Texas of the Permian Basin.

A brief description of each specialization area and the required courses follows:

I. Pre-Professional Physical Education: Students wishing to teach physical education and/or coach sports are required to complete the following courses. Completion of these courses, along with the appropriate education courses, will qualify the student to take the Texas Education Agency’s all-level (K-12) TExES/ExCET examination in physical education.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>KINE 1109</td>
<td>Forms of Movement Courses (12 activities)</td>
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<tr>
<td>KINE 1301</td>
<td>Concepts in Fitness and Health</td>
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<tr>
<td>KINE 3310</td>
<td>Motor Development</td>
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<td>KINE 3330</td>
<td>Physical Activity for Handicapping Conditions</td>
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<td>KINE 3340</td>
<td>Analysis of Human Movement</td>
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<tr>
<td>KINE 3350</td>
<td>Exercise Physiology</td>
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<tr>
<td>KINE 3151</td>
<td>Lab: Exercise Physiology</td>
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<tr>
<td>KINE 4300</td>
<td>Measurement of Performance in Sport and Exercise Sciences</td>
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<tr>
<td>KINE 4310</td>
<td>Sports Skill Analysis</td>
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<tr>
<td>KINE 4330</td>
<td>Motor Learning and Control</td>
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<td>KINE 4340</td>
<td>Sociology of Sport</td>
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<td>*KINE 4391</td>
<td>Independent Study in Kinesiology</td>
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<td>*KINE 4392</td>
<td>Practicum in Kinesiology</td>
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<tr>
<td>KINE 2306 or</td>
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<tr>
<td>KINE 2370</td>
<td>Care and Prevention of Athletic Injuries</td>
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<tr>
<td>KINE 4320 or</td>
<td>Psychology of Sport</td>
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<tr>
<td>KINE 4350</td>
<td>Psychology of Exercise</td>
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</table>

* If student teaching has been successfully completed, these two courses may be waived by the major faculty advisor. Students must, however, take one additional three credit elective in the discipline of Kinesiology in order to satisfy the 37 credit hour major requirement.

II. Exercise Science and Human Performance: Students desiring to enter the field of commercial and corporate fitness should select this area of specialization. This program meets the Guidelines for Fitness and Health Programs in Texas as specified by the Texas Higher Education Coordinating Board in 1991. Completion of the following courses is required for this specialization.

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>KINE 1109</td>
<td>Forms of Movement Courses (8 activities)</td>
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<td>KINE 4300</td>
<td>Measurement of Performance in Sport and Exercise Sciences</td>
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<td>Sociology of Sport</td>
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<td>KINE 4350</td>
<td>Psychology of Exercise</td>
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<td>KINE 4360</td>
<td>Exercise for Special Populations</td>
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<td>KINE 4362</td>
<td>Cardiorespiratory Physiology</td>
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<td>KINE 4364</td>
<td>Exercise and Nutrition</td>
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<tr>
<td>KINE 4393</td>
<td>Practicum: Exercise Science I</td>
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<td>KINE 4394</td>
<td>Practicum: Exercise Science II</td>
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</tbody>
</table>

III. Sport and Exercise Studies: Students wishing to enter other professions related to the discipline of Kinesiology, such as sport psychology, sport management, and sport media, are required to successfully complete the following courses. Six additional credit hours in Kinesiology or related disciplines are required for this specialization area. Beyond the basic Kinesiology degree requirements, students are encouraged to design, with the aid of a faculty advisor, a degree program that will satisfy their personal and professional objectives.
KINE 1109  Forms of Movement Courses (8 activities)
KINE 1301  Concepts in Fitness and Health
KINE 3340  Analysis of Human Movement
KINE 3350  Physiology of Exercise
KINE 3151  Lab: Exercise Physiology
KINE 4300  Measurement of Performance in Sport and Exercise Sciences
KINE 4340  Sociology of Sport
KINE 4391  Independent Study in Kinesiology
KINE 4392  Practicum in Kinesiology
KINE 2306 or  First Aid
KINE 2370  Care and Prevention of Athletic Injuries
KINE 3310 or  Motor Development
KINE 4330  Motor Learning and Control
KINE 4320 or  Psychology of Sport
KINE 4350  Psychology of Exercise
Electives (six credit hours)

IV. Athletic Training Specialization

KINE 1109  Forms of Movement Courses (8 activities)
KINE 1301  Concepts in Health and Fitness
KINE 2306  First Aid
KINE 2370  Care and Prevention of Athletic Injuries
KINE 3340  Analysis of Human Movement
KINE 3350  Physiology of Exercise
KINE 3151  Lab: Exercise Physiology
KINE 3370  Advanced Athletic Training
KINE 4300  Measurement of Performance in Sport and Exercise Sciences
KINE 4340  Sociology of Sport
KINE 3310 or  Motor Development
KINE 4330  Motor Learning and Control
KINE 4320 or  Psychology of Sport
KINE 4350  Psychology of Exercise
KINE 4391  Independent Study/Athletic Training
KINE 4392  Practicum in Athletic Training (6 x 0.5 credit sections)

Demonstrated competence in 8-12 forms of movement is required of all Kinesiology majors. Credits earned in meeting this requirement do not count toward the 37 hours required for a degree in Kinesiology. However, they count toward the 120 hours required for graduation.

The forms of movement requirement may be fulfilled in a number of ways. Options include taking Forms of Movement courses (KINE 1109), Lifetime Sports courses (KINE 1159), participation in intercollegiate or professional athletics and possession of a current official’s rating. In order to assure that students are competent in a wide variety of activities there are specific distribution requirements. The Forms of Movement Program Handbook is available from any Kinesiology faculty member. A record of each student’s progress in the forms of movement program is kept in the program coordinator’s office. Each student is encouraged to meet with the coordinator initially to design her/his own program and periodically to review progress toward completion of the requirement.

Kinesiology Minor

A Kinesiology Minor may be obtained by successfully completing 19 semester credit hours in Kinesiology of which 13 must be upper level. Students minoring in Kinesiology must take the following courses:

1. KINE 2385: Anatomy and Physiology for Kinesiology (3 credits)
2. KINE 3350: Exercise Physiology (3 credits)
3. KINE 3151: Lab: Exercise Physiology (1 credit)
4. KINE 4310: Sport Skill Analysis (3 credits)
5. KINE 4320: Sport Psychology or KINE 4323: Exercise Psychology or KINE 4340: Sociology of Sport (3 credits)

The required courses total 13 semester credit hours. Students should select additional course work in Kinesiology, at least 6 credit hours, with an eye toward satisfying their interests and career goals, as well as meeting upper-level distribution requirements and the 19 credit hour minimum.

Physical activity courses, including those labeled KINE 1109 or KINE 1159, are encouraged, but do not count toward the 19 credit hour requirement.

UTPB 2003–2005 Undergraduate Catalog 185
Coaching Minor

The Kinesiology faculty recognizes that some students are attracted to a Kinesiology Minor because they wish to coach athletes in a K-12 or a college and university setting. If a student desires to coach athletes as their primary professional goal, they are strongly encouraged to major in Kinesiology. For those students who plan to coach as an avocation, the Coaching Minor may be appropriate. While this minor requires an additional 6 semester credit hours above the Kinesiology Minor, it does include those courses that are direct applicability to coaching.

A Coaching Minor may be obtained by successfully completing the following 25 semester credit hours in Kinesiology:

10. KINE 3360: Coaching of Sports (3 credits)
11. KINE 2370: Care and Prevention of Athletic Injuries (3 credits)
12. KINE 2385: Anatomy and Physiology for Kinesiology (3 credits)
13. KINE 3380: Exercise Physiology (3 credits)
14. KINE 3151: Lab: Exercise Physiology (1 credit)
15. KINE 4310: Sport Skill Analysis (3 credits)
16. KINE 4320: Sport Psychology (3 credits)
17. KINE 4340: Sociology of Sport (3 credits)
18. Kinesiology elective - upper division (3 credits)

Physical activity courses, including those labeled KINE 1109 or KINE 1159, are encouraged, but do not count toward the 25 semester credit hour requirement.

TExES/ExCET Requirements

Candidates for TExES/ExCET test in All-Level Physical Education must have completed the courses listed below, or equivalent courses, and the appropriate education courses in the School of Education. School of Education courses must include EDUC 4332, EDUC 4333, and EDUC 4334.

Physical Education (All Level): KINE 1109 (12 activities), 1301, 3310, 3330, 3340, 3350/3151, 4300, 4310, 4330, 4340; and KINE 2306 or 2370; KINE 4320 or 4350; EDUC 4332, EDUC 4333, and EDUC 4334.

Course Listing

KINE 1109 Forms of Movement (1)
The development of performance and knowledge competencies in selected combinations of sports, dance, aquatics, and other forms of movement as set forth in Forms of Movement Handbook (see Forms of Movement Coordinator). FS

KINE 1159 Lifetime Sports (1)
Opportunity to obtain skill and knowledge of a lifetime sport. Sections include bowling, golf, tennis, swimming, racquetball, and others. FS

KINE 1301 Concepts in Fitness and Health (3)
Offers an introduction to the basics of personal health, fitness, and major contemporary health issues. F

KINE 2306 First Aid (3)
Offers instruction in the knowledge and skills necessary, in an emergency situation, to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until professional medical help arrives. Opportunity for American Red Cross First Aid and CPR certifications. S

KINE 2370 Care and Prevention of Athletic Injuries (3)
Prevention and treatment of athletic injuries, including recognition, techniques of taping, therapeutic modalities, rehabilitation of injuries and athletic training room management. Prerequisite: KINE 2385 or equivalent. F

KINE 2385 Anatomy and Physiology for Kinesiology (3)
This course is designed to increase the student's knowledge of human anatomy and physiology through the survey of the macroscopic and microscopic anatomy and physiology of the neuromuscular, cardiovascular, and respiratory systems. This course will also include the basic study of the digestive and endocrine systems. Specific emphasis will be placed on developing the student's understanding of those human systems that most directly affect human movement in the context of work and exercise. Prerequisite: BIOL 1306/1106 and BIOL 1307/1107. F

KINE 2389 Multilisting Course (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

186  UTPB 2003–2005 Undergraduate Catalog
KINE 3151 Lab: Exercise Physiology (1)
An introduction to many of the basic laboratory procedures and tests used in the field of exercise physiology. The class is designed to complement KINE 3350 Physiology of Exercise. Laboratory equipment is used to collect data and analyze results. Prerequisite: Anatomy and Physiology and concurrent enrollment in KINE 3350 or completion of 3 semester credit hours of undergraduate exercise physiology. F

KINE 3310 Motor Development (3)
An examination of the factors affecting physical growth, those influencing the acquisition of fundamental motor skills, and the effects of aging upon physical performance. F

KINE 3330 Physical Activity for Handicapping Conditions (3)
Introduction to various handicapping conditions with particular emphasis on their impact upon an individual's ability to perform sports and other physical activities. The nature of appropriate physical activity programs for handicapped individuals is explored. S

KINE 3340 Analysis of Human Movement (3)
Integration of skeletal and neuromuscular anatomy and physiology with mechanical principles of human movement to structurally and prescriptively analyze movement patterns for performance improvement. Prerequisite: KINE 2385, or BIOL 3350/3150 (4 credits), or equivalent. S

KINE 3350 Physiology of Exercise (3)
Physiological functioning of the human body during physical stress to include muscle strength, cardiorespiratory endurance, environmental effects and conditioning programs. Laboratory equipment used to collect data as part of the lab, KINE 3151, that is taken concurrently. Prerequisite: KINE 2385 (3 credits), or BIOL 3350/3150 and BIOL 3352/3152 (8 credits), or equivalent. F

KINE 3360 Coaching of Sports (3)
Students will gain the knowledge and competencies necessary to serve effectively in the coaching setting. Topics germane to a variety of sports and coaching settings are covered including sport management, liability, training (psychological and physical), practice planning and supervision, sport pedagogy, developmental factors (physiological, social and cognitive) applied to coaching and other topics. Skills and strategies associated with specific sports are not covered in detail.

KINE 3370 Advanced Athletic Training (3)
This course is a continuation of KINE 2370 and is intended for students pursuing a career in Athletic Training. Advanced study in prevention, treatment and rehabilitation of injuries will be undertaken. Athletic Training Room management will also be covered. Prerequisite: KINE 2370 or equivalent. S

KINE 3389 Multilisting Course (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

KINE 4300 Measurement of Performance in Sport and Exercise Sciences (3)
A comprehensive overview of the statistical techniques, computer applications, and evaluation procedures utilized by kinesiology professions in applied and research settings. Prerequisite: must have fulfilled general education mathematics requirement. S

KINE 4310 Sports Skill Analysis (3)
Students will apply the anatomical and mechanical principles of human movement in the assessment of sports skills. Prerequisite: Must have fulfilled General Education Mathematics requirement and completed KINE 2385 or BIOL 3350/3150. F

KINE 4320 Psychology of Sport (3)
Concepts in psychology as applied to an individual's involvement in sport and other forms of competitive physical activity. Emphasis on motivation, stress management, personality theory, performance enhancement, and group dynamics. F

KINE 4325 Women and Sport (3)
Explores problems, patterns and processes associated with the sport involvement of women in American culture. Topics include the history of women's participation, social stereotypes of sportswomen, institutional influences and performance capabilities. Prerequisite: Junior standing or permission of the instructor.

KINE 4330 Motor Learning and Control (3)
Variables influencing the control and learning of movement skills. Emphasis on the neural, physical, and behavioral aspects of motor control and the acquisition of skilled movements as a result of practice. S

KINE 4340 Sociology of Sport and Physical Activity (3)
The role of sport in society is examined. Special attention is given to a critical examination of abuses in modern sport and to social influences which act to modify sport. S
KINE 4350 Psychology of Exercise (3)
Concepts in psychology applied to an individual's involvement in exercise. Emphasis on theoretical models and methods for assessing exercise adherence. Investigation of methods and strategies for behavior intervention and program development to promote adherence to exercise programs. S04

KINE 4360 Exercise for Special Populations (3)
Examination of the unique physiological attributes one must consider when prescribing exercise for individuals with specific diseases and specialized health considerations, including rheumatoid arthritis, diabetes, chronic respiratory disorders, cardiovascular disease, hypertension, obesity, and pregnancy. S04

KINE 4362 Cardiorespiratory Physiology (3)
Addresses the physiology of graded exercise testing, interpretation of basic electrocardiograms, and prescription of exercise for healthy and diseased populations. Prerequisite: KINE 3350 (Physiology of Exercise) or equivalent. F04

KINE 4364 Exercise and Nutrition (3)
An in-depth examination of the nutritional effects that enhance exercise or sports performance. The class is designed to enhance the student's knowledge of the nutritional needs of athletes as well as possible ergonic effects of certain dietary plans. The class will include topics on issues in nutritional myths in sports, effects of nutritional supplements, herbal supplements, and pharmacological components that are currently used as ergogenic aids to exercise performance. S05

KINE 4389 Selected Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. May be acceptable for graduate credit.

KINE 4391 Independent Study In Kinesiology (3)
Design of a research project in the area of kinesiology which includes professional involvement with individuals in an exercise and/or sport setting. A proposal of the research project is to be developed which includes a problem statement, a review of literature and a concise description of the methods used to collect and analyze data. The written proposal is submitted to the Department of Kinesiology followed by a brief oral presentation. FS

KINE 4392 Practicum In Kinesiology (3)
Using the research project proposal developed in the independent study, conduct the study and collect and analyze data. The results of the project will be submitted to the Kinesiology faculty in a brief oral presentation and in the form of a journal-ready manuscript. FS

KINE 4393 Practicum: Exercise Science I (3)
This course is a 120 hour, on-campus, research practicum designed to develop students' research skills. Students are required to work on a current research project under direct supervision of their major advisor. The culmination of this practicum experience will be the development of a presentation proposal that will be submitted for review and presentation in a local, state, or national forum. Should be taken the semester before last semester of the student's program. FS

KINE 4394 Practicum: Exercise Science II (3)
This course is a 480-hour, off-campus, research practicum designed to allow students to apply their research skills to genuine problems or issues with supervision. Students are required to work on a current research project in a cooperating facility under the supervision of the facility manager and their major advisor. The results of the research will be presented in the form of a journal-ready manuscript. This practicum should be taken during the student's last semester before graduating. FS
DEGREE PLAN: BS IN KINESIOLOGY

SEMESTER HOURS COMPLETED AT OTHER INSTITUTIONS:
Lower division total ........................................
Upper division total ........................................
Total hours counted toward degree ......................

GENERAL EDUCATION REQUIREMENTS (44 HOURS):
- English Composition, 6 credits (2 courses) 1301 & 1302
- Literature, 3 credits (1 course) 2322, 2323, 2327, or 2228
- U.S. History, 6 credits (2 courses) 1301 & 1302 recommended
- U.S. and State Government, 6 credits (2 courses) 2301 & 2302
- BIOL 1306/1106 and BIOL 1307/1107
- Mathematics (college algebra or above) 3 credits (1 course)
- Mathematics (computing, logic, math, statistics), 3 credits (1 course)
- Communication, 3 credits (1 course) COMM 1315 recommended
- Visual and Performing Arts, 3 credits (1 course)
- Social Science, 3 credits

NOTES ON GRADUATING:
1. Read the U. T. Permian Basin catalog and be familiar with the University’s requirements for the BS degree. It is the student’s responsibility to read the catalog and be familiar with and fulfill all the requirements for the B.S. degree.
2. Complete at least 120 semester credit hours for the B.S. degree.
3. At least 54 credits must be at the junior or senior level. At least 30 of these must be completed at U. T. Permian Basin.
4. Students majoring in Kinesiology are required to complete an academic minor.
5. Obtain at least a “C” grade in all Kinesiology courses. Maintain at least a grade point average of 2.0 or “C” in all courses applicable toward the degree in Kinesiology.

MINOR (or second teaching field):
Students majoring in Kinesiology are required to complete an academic minor which unusually consists of 18 sch. Please consult the 2003-2005 University catalog for specific details about the distribution of hours in the minor you have chosen to complete. If you intend to substitute a second teaching field for your minor, consult the catalog AND make an appointment with your certification to be certain that you have the correct number and choice of courses.

<table>
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<tr>
<th>DISC.</th>
<th>COURSE</th>
<th>GRADE</th>
<th>CREDIT</th>
<th>HOURS</th>
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*If student teaching has been successfully completed, these two courses may be waived by the major faculty advisor. Students must, however, take one additional three credit elective in the discipline of Kinesiology in order to satisfy the 37 credit hour major requirement.

KINESIOLOGY DEGREE REQUIREMENTS;
Prerequisites for KINE 2370; KINE 3340; KINE 3350; KINE 4310
- KINE 2385 Anatomy and Physiology for Kinesiology (3 credits) or
- BIOL 3350/3151 Human Anatomy and Lab (4 credits) and
- BIOL 3522/3153 Human Physiology and Lab (4 credits)

Kinesiology Required Core Courses: 13 hours (5 courses)
- KINE 3340 Analysis of Human Movement (Prereq KINE 2385)
- KINE 3350 Exercise Physiology (Prereq KINE 2385)
- KINE 3415 Lab: Exercise Physiology (taken with KINE 3350)
- KINE 4300 Measurement of Perf. in Sport and Exercise Sciences
- KINE 4340 Sociology of Sport

I. Pre-professional Physical Education Specialization:
- KINE 1109 Forms of Movement Courses (12 activities)**
- KINE 1301 Concepts in Fitness and Health
- KINE 3310 Motor Development
- KINE 3330 Physical Activity for Handicapping Conditions
- KINE 4310 Sports Skill Analysis (Prereq KINE 2385)
- KINE 4330 Motor Learning and Control
- KINE 2306 First Aid OR KINE 2370 Care & Prevent Athletic Injuries (Prerequisite KINE 2385 for KINE 2370)
- KINE 4350 Psych of Sport OR KINE 4350 Psych of Exercise*
- KINE 4391 Independent Study in Kinesiology*
- KINE 4392 Practicum in Kinesiology

II. Exercise Science and Human Performance
- KINE 1109 Forms of Movement Courses (8 activities)**
- KINE 1301 Concepts in Fitness and Health
- KINE 2306 First Aid
- KINE 2370 Care & Prevention Athletic Injuries (Prereq KINE 2385)
- KINE 3310 Motor Development
- KINE 4350 Psychology of Exercise
- KINE 4360 Exercise for Special Populations
- KINE 4362 Cardiorespiratory Physiology
- KINE 4364 Exercise and Nutrition
- KINE 4393 Practicum: Exercise Science I
- KINE 4394 Practicum: Exercise Science II

III. Sport and Exercise Studies
- KINE 1109 Forms of Movement Courses (8 activities)**
- KINE 1301 Concepts in Fitness and Health
- KINE 2306 First Aid OR KINE 2370 Care & Prevent Athletic Injuries (Prerequisite KINE 2385 for KINE 2370)
- KINE 3310 Motor Develop OR KINE 4330 Motor Lrng & Contr advisor
- KINE 4320 Psychology of Sport OR KINE 4350 Psych of Exercise
- KINE 4391 Independent Study in Kinesiology
- KINE 4392 Practicum in Kinesiology

In addition to the above, 6 credit hours of electives are required:
- KINE
- KINE

IV. Athletic Training Specialization
- KINE 1109 Forms of Movement Courses (8 activities)**
- KINE 1301 Concepts in Fitness and Health
- KINE 2306 First Aid
- KINE 2370 Care & Prevention Athletic Injuries (Prereq KINE 2385)
- KINE 3370 Advanced Athletic Training
- KINE 3310 Motor Develop OR KINE 4330 Motor Lrng & Contr
- KINE 4320 Psych of Sport OR KINE 4350 Psych of Exercise
- KINE 4391 Independent Study/Athletic Training
- KINE 4392 Practicum/Athletic Training (6 x 0.5 credit sections)

**The KINE 1109 Forms of Movement courses do not apply to the 37 sch required for the BS degree, but DO count toward 120 hours.
Leadership Studies

Administered by the Department of Humanities and Fine Arts within the College of Arts and Sciences.

The B. A. degree in Multidisciplinary Studies with an emphasis in Leadership Studies is a degree program that focuses on the study and understanding of leadership needed in the post-industrial world of the 21st century. Leaders need to be able to read critically, think analytically and communicate effectively. Scholarly understanding of the theory and history of leadership is required as well as the conceptual skills of team building, collaboration, innovation, conflict resolution, communication and problem solving. A field experience and internship component are also required.

This degree prepares students to take positions in social agencies of various types, governmental entities and a wide range of private, not-for-profit groups.

Degree Requirements

The total semester credit hours required for a B. A. in Leadership Studies is 120.

General Education 44 credits

Complete the requirements shown in the General Education Requirements section of this catalog. To meet the Mathematics requirements MATH 1332 — Contemporary Math I is recommended.

Computer Use 3 credits

Leadership Studies majors may demonstrate the use of computers through completion of COSC 1335 — Computers and Problem Solving.

Major Requirements

Major Foundation Courses: 15 credits

- LEAD 1301 Introduction to Leadership Theory
- LEAD 2301 Advanced Leadership Theory
- LEAD 4339 Leadership and Ethics
- LEAD 4370 Conflict Resolution
- LEAD 4392 Practicum

Elective Courses in Leadership Studies 15 credits

Minor in Leadership Studies

A minor in Leadership Studies consists of 18 semester credit hours, 12 of which must be at the upper level.

Three of the Major Foundation Courses (including LEAD 1301), plus 2 LEAD electives and 1 policy-area discipline elective from approved courses listed below.

Required:

- Lead 2301 Introduction to Leadership Theory

Two Courses from the following list:

- LEAD 2301 Advanced Leadership Theory
- LEAD 4339 Leadership and Ethics
- LEAD 4370 Conflict Resolution
- LEAD 4392 Practicum

UTPB 2003–2005 Undergraduate Catalog
Two Courses from the LEAD Electives list below:

- LEAD 4320 Women in Leadership
- LEAD 4340 Group Leadership (or SPCH 4340)
- LEAD 4350 Leadership in Organizational Settings
- LEAD 4351 Leadership in the Non-Profit Sector
- LEAD 4356 U.S. Southern Leaders (or HIST 4356)
- LEAD 4358 National Leadership in the Dilemma of Democracy (or HIST 4358)
- LEAD 4359 Mexican Leaders (or HIST 4359)
- LEAD 4360 Strategic Leadership and Planning
- LEAD 4375 Leadership and Community Development
- LEAD 4378 American Black Leaders (or HIST 4378)
- LEAD 4379 Selected Issues in Leadership Studies
- LEAD 4391 Contract Study

One Course from Policy-Area Discipline Electives listed below:

- HIST 4343 The Age of Jackson
- PLS 4345 Public Policy
- PLS 4347 Public Administration
- PLS 4354 The American Presidency
- MNGT 4330 Entrepreneurial Leadership

Course Listing

LEAD 1301 Introduction to Leadership Theory (3)
Introduction to leadership theories and practices.

LEAD 2301 Advanced Leadership Theory (3)
Concepts essential to the nature of leadership, including the conceptual background, theories, approaches, styles and ethical issues in leadership research and thinking.

LEAD 4320 Women in Leadership (3)
The study of the roles and responsibilities of women in leadership in governmental and non-profit organizations. Current issues and trends will be examined from historical, political, economic, and social perspectives.

LEAD 4339 Leadership and Ethics (3)
Study and practices of principled choices between alternative actions for leaders in public and non-profit organizations.

LEAD 4340 Group Leadership (3)
An exploration in communicative techniques and theories of leadership in groups, including facilitating discussion, decision making, parliamentary procedure and meeting management.

LEAD 4350 Leadership in Organizational Settings (3)
Principles and practices of leadership in large-scale organizations, public and non-profit.

LEAD 4351 Leadership in the Non-profit Sector (3)
Leadership theory and practice in the non-profit sector.

LEAD 4356 U. S. Southern Leaders (3)
Ideas and issues arising from the study of selected American southern leaders.

LEAD 4358 National Leadership in the Dilemma of Democracy (3)
Readings, discussions, and research on the nature of leadership and its ramifications for American life.

LEAD 4359 Mexican Leaders (3)
Readings, discussions, and research on the nature of leadership in Mexico and its influence on the development of Mexico since 1910.

LEAD 4360 Strategic Leadership and Planning (3)
Leadership skills in analysis and planning for public organizational change.
LEAD 4370 Conflict Resolution (3)
Principles and practices of reasoned communication, conflict resolution, negotiation, and mediation for leaders in public, community and non-profit organizations.

LEAD 4375 Leadership and Community Development (3)
The role and practices of public leaders in community and economic development.

LEAD 4378 American Black Leaders (3)
Ideas and issues arising from a study of selected African-American leaders.

LEAD 4379 Selected Issues in Leadership Studies (3)
Reading, research and discussion devoted to selected topics in Leadership Studies.

LEAD 4391 Contract Study (3)
Advanced independent study or research in Leadership Studies.

LEAD 4392 Practicum (3)
A supervised field and academic experience in the practice of leadership methods, knowledge and skills in an appropriate public or private agency. Prerequisite: 12 hours upper division credits in Leadership Studies and consent of the instructor.
GENERAL EDUCATION REQUIREMENTS:
(44 sch; please see catalog for course choices to fill each requirement.)
___ English Composition (1301 & 1302)
___ U.S. History (1301 & 1302 recommended)
___ Literature 2322, 2323, 2327, or 2328
___ U.S. and State Government (2301 & 2302)
___ Science with Lab
___ Math (College Algebra or above)
___ Math (Computing, logic, statistics)
___ COMM 1315, 1316, or 2310
___ Visual and Performing Arts
___ Social Science
___ Computer Science (COSC 1335)

DEGREE REQUIREMENTS:
It is the student’s responsibility to read the catalog and be familiar with all requirements for the BA degree. The major is Leadership Studies is 30 sch.
1. Complete at least 120 sch of which 54 sch must be taken at the junior/senior level. At least 30 sch must be completed at U.T. Permian Basin; 24 of the last 30 sch must be completed at U.T. Permian Basin.
2. Obtain at least a “C” grade in all major courses, and maintain at least a GPA of 2.0 in all courses applicable toward the degree.
3. Completion of a minor is required; most minors require 18 sch of which 12 sch must be upper level. Please refer to the catalog for minor choices and specific minor requirements.

MINOR (18 sch; 12 sch must be upper level)
(please refer to the catalog for specific details):

LEADERSHIP STUDIES MAJOR REQUIREMENTS:
The major in Leadership Studies requires a student to complete 30 sch which is composed of a core of 15 sch combined with 15 sch of electives courses. Two of these elective courses must be LEAD courses and the other three courses must be chosen from the elective list below.

LEADERSHIP CORE (15 sch required):
___ LEAD 1301 Introduction to Leadership Theory
___ LEAD 2301 Advanced Leadership Theory
___ LEAD 4339 Leadership and Ethics
___ LEAD 4370 Conflict Resolution
___ LEAD 4392 Practicum

ELECTIVE COURSES TO COMPLETE THE MAJOR (15 sch required):
___ LEAD 4320 Women in Leadership
___ LEAD 4340 Group Leadership
___ LEAD 4350 Leadership in Organizational Settings
___ LEAD 4351 Leadership in the Non-Profit Sector
___ LEAD 4356 U.S. Southern Leaders
___ LEAD 4358 National Leadership in the Dilemma of Democracy
___ LEAD 4359 Mexican Leaders
___ LEAD 4360 Strategic Leadership & Planning
___ LEAD 4375 Leadership and Community Development
___ LEAD 4378 American Black Leaders
___ LEAD 4379 Selected Topics:
___ LEAD 4391 Contract Study:
___ HIST 4343 The Age of Jackson 1828-1860
___ MNGT 4330 Entrepreneurial Leadership
___ PLSC 4345 Public Policy
___ PLSC 4347 Public Administration
___ PLSC 4354 American Presidency
___ COMM 4340 Group Leadership
Management

Administered by the School of Business, the primary goal of the Management program is to give students an understanding of the nature and capabilities of people working in organizations. Faculty and business leaders believe an understanding of management theory and research provides the foundation for effective application and practice in the business environment. This foundation prepares students for careers in management such as administrators, executives, human resource managers, management consultants or entrepreneurs.

Students pursuing a Bachelor of Business Administration (BBA) in Management degree receive a broadly based general business education. Broad preparation assists graduates in preparing to meet the diverse challenges of personal as well as professional life.

Degree Requirements

The minimum total credits required for a BBA degree in Management is **122**.

**General Education**

| 47 Credits |

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog. Include the following specified courses:

- Mathematics: MATH 1324/1325 or MATH 2412/2413
- Social Science: PSYC 1301 & SOCI 1301

**Computer Use:**

Management majors obtain skills in using computers in problem-solving in COSC 1335 (BCIS 1305), a required lower division course. ACCT 3333/MNGT 3333, a required core business course, includes further development of these skills and application in a business context in preparation for their use in other upper division business courses, especially MNGT 4375.

**Lower Level Business Courses**

| 18 Credits |

Complete the requirements shown in the Lower Level Business Courses section on page 62 of this catalog.

**Upper Level Business Common Core Courses**

| 30 Credits |

Complete the requirements shown in the Business Common Core Course section on page 63 of this catalog.

**Other Required Upper Level Courses**

- MNGT 3312: Human Resource Management
- MNGT 3330: Organizational Behavior
- MNGT 3370: Public Policies Toward Business
- Approved MNGT electives totaling 9 credit hours: 9
- Approved Business electives totaling 9 credit hours: 9

**27 Credits**
Management Minor

A minor in Management consists of a total of 18 credit hours.

**Required Courses for Management Minor**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>MNGT 3310</td>
<td>Management Concepts and Organizational Theory</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3311</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3312</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3370</td>
<td>Business and Society</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3330</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3 additional approved hours of MNGT other than MNGT 4375</td>
<td>3</td>
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<tr>
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<td>18 credits</td>
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**Course Listing**

**MNGT 2301 Introduction to Statistics (3)**
This is a study of statistical techniques applied to business and economic data. Topics include descriptive statistics, probability theory, random variables, probability distributions, sampling methods, statistical estimation, and hypothesis testing. Prerequisite: Completion of 6 semester hours of mathematical analysis including business calculus or its equivalent. FS

**MNGT 3302 Inferential Statistics (3)**
This is an application of statistical inference to problems of business and economics. Topics include hypothesis testing, analysis of variance, simple and multiple regression, correlation, chi-square analysis, time series, index numbers, and non-parametric statistics. Prerequisite: MNGT 2301. FS

**MNGT 3310 Management Concepts and Organizational Theory (3)**
Fundamental concepts of management including principles of administration, modern organization theory, goal-setting, leadership and decision-making. FS

**MNGT 3311 Business Communications (3)**
This is an introduction to the basic interpersonal communication process through appropriate communications technology with applications for business organizations. It is a systems approach to planning, researching, organizing, composing, editing, and revising reports and other business-related communications. Oral presentations are required. Business communication ethics are explored. Prerequisite: Two semesters of Freshman English, computer literacy in word processing and graphics. FS

**MNGT 3312 Human Resource Management (3)**
This is a study of principles and practices in human resource management systems including such topics as recruiting, selection, training and development compensation, health and safety, employee and labor relations, human resource research information systems, and workforce planning. Prerequisite: MNGT 3310. FS

**MNGT 3318 Small Business Management (3)**
This is a study of the special circumstances surrounding starting and operating a small business. Specific attention is given to understanding the uniqueness of the small business owner. F

**MNGT 3320 Employment Law (3)**
An analysis of historical and contemporary laws in the United States that affect the human resource management function. Integration of labor and employment law with social and economic forces shaping the current diverse labor-management environment. Prerequisite: MNGT 3312. F02

**MNGT 3322 Labor-Management Relations (3)**
This is a contemporary analysis of the union-management relationship in both business and non-business organizations. Topics include organizing activities, collective bargaining, alternative dispute resolution, and agreement administration. Prerequisite: MNGT 3310. S04

**MNGT 3324 Business and the Law (3)**
This survey course covers the source of law and courts and introduces tort law along with the historical, economic, political, and ethical bases of contracts. The course includes ethical considerations in business and the impact of regulatory and administrative law on business. Prerequisite: Junior standing or consent of instructor. FS
MNGT 3325 International Management - Study Abroad (3)
This course will be an intensive study of marketing and management issues related to business in Mexico. As a class, students will travel to a major city in Mexico. Visits to businesses, governmental agencies, and other activities provide the basis to study social, cultural, political and economic issues important to business relations with Mexico. Study of essential Spanish phrases and vocabulary included. Prior knowledge of Spanish is not required. Prerequisites: 3 credit hours in management or marketing and permission of instructor.

MNGT 3330 Organizational Behavior (3)
This is a study of human behavior in organizations, motivation, interpersonal communication and behavior, group behavior, leadership, power, organizational culture, change, and development; job satisfaction; social structure and processes; informal organization; ethical concepts; international organizational behavior issues; organizational theory. Prerequisite: MNGT 3310. FS

MNGT 3333 Information System Fundamentals (3)
This course provides a basic framework for developing and analyzing systems-oriented information flows. The use of software as productivity tools is emphasized. Prerequisites: COSC 1335 (BCIS 1305) and MNGT 3310. Crosslisted with ACCT 3333. FS

MNGT 3340 Production Operations Management (3)
This course examines the planning, design, execution, and coordination of all activities that create goods or provide services. It addresses how upper level management can improve decision-making in both the manufacturing and service sectors. The course introduces productivity, competitiveness, and strategy; decision-making; quality management; product and service design; process selection and capacity planning; linear programming; facility layout; location planning and analysis; the transportation model; project management; design of work systems; and learning curves. Prerequisites: MNGT 2301. FS

MNGT 3370 Business and Society (3)
This is a study of the impact of societal influences and ethical consideration on business decision-making. Special attention is given to business stakeholder relationships and the role of the organization in the community. Prerequisite: MNGT 3310. FS

MNGT 4320 International Management (3)
This is a study of administrative philosophies, policies, and practices of international business organizations. The nature of management processes and activities is examined in terms of different social, cultural, political, and economic environments. Prerequisite: MNGT 3310. S02

MNGT 4324 Oil and Gas Law/Taxation (3)
This course is an upper level business law elective and will focus on the legal concepts involving ownership, exploration and development of natural resources, most especially, oil and gas. Because the economics of oil and gas development is founded on principles of federal income taxation, such as statutory depletion, intangible drilling costs and production payments, at least one-fourth of the course will focus on federal income and state taxation of ventures involving natural resources. Prerequisite: MNGT 3310 and MNGT 3324.

MNGT 4330 Entrepreneurial Leadership (3)
This is a study of an innovative and risk-taking leadership in the business organization and how it relates and responds to happenings within the organizational environment. Review of how change agents can be active in both for-profit and non-profit organizations. S

MNGT 4340 Operations Analysis and Control (3)
This is a study of the operations and control of manufacturing or service entities. It follows Production Operations Management (MNGT 3340). Principal topics are aggregate planning, inventory management, material requirements planning, just-in-time systems, supply chain management, operations scheduling, project management, and quality control. The case-studies approach is used to examine much of the material and includes oral presentations, critiques, and written reports. Prerequisite: MNGT 3340. S03

MNGT 4345 Executive and Negotiating Skills (3)
This course examines negotiation tactics and strategies, including distributive and integrative approaches. Individual and group scenarios with constituents and disinterested parties are included. Numerous role playing exercises introduce the students to negotiation, mediation and arbitration. Prerequisite: MNGT 3310 or equivalent.

MNGT 4350 Conflict Resolution in Business (3)
This course will focus on skills necessary for business owners and managers to effectively resolve conflicts and controversies associated with organizations. The course will also examine the differences among negotiation, mediation, and arbitration, and the students will learn which method is most suitable for a given circumstance. The students also will learn how to identify the underlying issues giving rise to the conflict or controversy and how to resolve such issues in an ethical manner.
MNGT 4360 Small Business Consulting (3)
Advanced concepts, theories, and practices of small business management are presented. Supervised projects with local firms are conducted. Prerequisites: MNGT 3310, MRKT 3300, FINA 3320 and ACCT 2302, S

MNGT 4375 Strategic Management (3)
This is the capstone course of the business administration degree. Based upon environmental analysis, the formulation and implementation of strategic decisions within the organization are addressed. Emphasis is placed on the integration of decisions at the functional areas. Prerequisite: Completion of at least 42 upper level hours of business courses including all other business core courses. FS

MNGT 4389 Selected Topics in Management (3)
These are undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. Prerequisite varies.

MNGT 4391 Contract Study in Management (3)
This is an individual independent study course or research project that addresses a topic not offered in the curriculum. Prerequisite varies.

MNGT 4392 Internship (3)
A supervised field and academic experience. May be repeated once for credit for distinctly different learning experiences. Prerequisite: 12 credit hours of MNGT and completed internship application form with permission of academic advisor, area coordinator, and experiential learning program coordinator.
# DEGREE PLAN: BBA IN MANAGEMENT

## Freshman Year

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<td>Visual/Performing Art</td>
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## Sophomore Year

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<td>SOCI 1301</td>
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## Junior Year

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## Senior Year

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</table>
Marketing

Administered by the School of Business, the Bachelor of Business Administration degree in Marketing is designed to provide a broad fundamental knowledge of the nature, structure, institutions, and functions of marketing. The student graduating with the degree can expect to be competitive in the general contexts of sales and marketing. In addition, the student will be able to analyze information that are critical to making marketing decisions whether in manufacturing, distribution (including retailing), service, or not-for-profit industry sectors.

Degree Requirements

The minimum total credits required for a BBA degree in Marketing is 122.

**General Education**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>47</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
</tr>
<tr>
<td>MATH 1324/1325 or MATH 2412/2413</td>
<td></td>
</tr>
<tr>
<td>PSYC 1301 &amp; SOCI 1301</td>
<td></td>
</tr>
</tbody>
</table>

**Computer Use**

Marketing majors obtain skills in using computers in problem-solving in COSC 1335 (BCIS 1305), a required lower division course. ACCT 3333/MNGT 3333, a required core business course, includes further development of these skills and application in a business context in preparation for their use in other upper division business courses, especially MNGT 4375.

**Lower Level Business Courses**

Complete the requirements shown in the Lower Level Business Courses section on page 62 of this catalog.

**Upper Level Business Common Core Courses**

Complete the requirements shown in the Upper Level Business Common Core Courses section on page 63 of this catalog.

**Other Required Upper Level Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRKT 3315 Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 4312 Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 4314 Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>and Information Systems</td>
<td></td>
</tr>
<tr>
<td>Approved MRKT electives totaling 9 hours</td>
<td>9</td>
</tr>
<tr>
<td>Approved Business electives totaling 9 hours</td>
<td>27 Credits</td>
</tr>
</tbody>
</table>

**Corbett F. Gaulden, PhD**

*Professor of Marketing*

Dr. Gaulden has significant experience working with students on research projects that address business and community problems. His emphasis on applications of technology to classroom activities is particularly important to MBA students. Consumer and industrial buyer behavior and marketing policy are among his interest areas.
Marketing Minor

A minor in Marketing consists of a total of 18 credit hours.

**Required Courses for Marketing Minor**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRKT 3300</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 3315</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 4314</td>
<td>Marketing Research and Information Systems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Approved 9 credit hours from upper level MRKT electives</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>18 Credits</strong></td>
</tr>
</tbody>
</table>

Prerequisites for the minor are ECON 2301, ECON 2302, and MNGT 3302 or equivalent.

**Course Listing**

**MRKT 3300 Principles of Marketing (3)**
Survey of marketing fundamentals with focus upon product, price, promotion and distribution within the context of business decision-making. Prerequisites: ECON 2301 and ECON 2302. F5

**MRKT 3306 Retailing and Distribution (3)**
Consideration of the important role retailing plays in the successful dissemination of consumer goods. Both traditional and nontraditional forms of retailing will be investigated. Special retail-related distribution problems will also be covered. Prerequisite: MRKT 3300. S04

**MRKT 3307 Sales Management (3)**
Planning, organizing, directing and controlling the sales function as it relates to the marketing mix; also, stress is placed upon professional selling techniques. Prerequisite: MRKT 3300. Summer 04

**MRKT 3308 Promotion Management (3)**
Planning, organizing, directing and controlling the promotion function as it relates to the marketing mix. The elements of good advertising are also stressed. Prerequisite: MRKT 3300. S05

**MRKT 3315 Consumer Behavior (3)**
Concepts of consumer behavior. Emphasis on psychological, sociological and economic variables and their effects on purchasing behavior. Prerequisite: MRKT 3300. F03, F04

**MRKT 3325 International Marketing - Study Abroad (3)**
This course will be an intensive study of marketing and management issues related to business in Mexico. As a class, students will travel to a major city in Mexico. Visits to businesses, governmental agencies, and other activities provide the basis to study social, cultural, political and economic issues important to business relations with Mexico. Study of essential Spanish phrases and vocabulary included. Prior knowledge of Spanish is not required. Prerequisites: 3 credit hours in management or marketing and permission of instructor.

**MRKT 4301 E-Marketing (3)**
Exploration of the basic issues and methods of electronic (internet-based) marketing within the general context of electronic commerce. Adaptation of basic marketing logics is emphasized. Prerequisite: MRKT 3300 and COSC 1335. SS03

**MRKT 4312 Marketing Management (3)**
Emphasis on Marketing strategy and tactics using case studies of corporate successes and failures. Prerequisite: MRKT 3300 plus 6 additional hours of marketing and senior standing. S03, 04

**MRKT 4314 Marketing Research and Information Systems (3)**
Behavioral sciences research methods, social process and structure influences upon marketing activities and their integration as a total system of marketing action. Prerequisites: MRKT 3300 and MNGT 3302 (or concurrent enrollment). F03

**MRKT 4319 Industrial Marketing (3)**
Structure of industrial manufacturing and service firms, their motives and purchasing behavior, and logistical analysis of industrial markets. Prerequisite: MRKT 3300.

**MRKT 4320 International Marketing (3)**
Enterprise, comparative marketing, transport institutions and systems in selected foreign countries and the United States. Emphasizes ethnic and cultural differences in marketing strategy. Prerequisite: MRKT 3300. S04
MRKT 4322 Women in Business (3)
Sociological, psychological, cultural and historical influences on women in the modern business environment. Broad social trends, conflicting messages and demands, and situationally appropriate individual responses are considered. Prerequisite: Junior or senior standing. Summer 05

MRKT 4359 Service Marketing (3)
Emphasis on marketing in the service sector of the economy plus application of marketing techniques to service, ideological, educational, and not-for-profit organizations. Prerequisite: MRKT 3300. S04

MRKT 4389 Selected Topics in Marketing (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. Prerequisite varies.

MRKT 4391 Contract Study in Marketing (3)
An individual independent study course or research project that addresses a topic not offered in the curriculum. Prerequisite varies.

MRKT 4392 Internship (3)
A supervised field and academic experience. May be repeated once for credit for distinctly different learning experiences. Prerequisite: 12 credit hours of MRKT and completed internship application form with permission of academic advisor, area coordinator, and experiential learning program coordinator.
## DEGREE PLAN: BBA IN MARKETING

### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<td>ENGL 1301</td>
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<td>ENGL 1302</td>
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<td>MATH 1324</td>
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<td>COMM 1315</td>
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<td>Visual/Performing Art</td>
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### Sophomore Year

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<th>Spring</th>
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<tbody>
<tr>
<td>ACCT 2301</td>
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<td>ACCT 2302</td>
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<td>COSC 1335</td>
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<td>ECON 2302</td>
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<td>PLSC 2301</td>
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<td>PLSC 2302</td>
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<td>MNGT 2301</td>
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### Junior Year

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<td>MRKT Elective</td>
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<td>English Literature</td>
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<td>MNGT 3311</td>
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<td>FINA 3320</td>
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<td>MNGT 3324</td>
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### Senior Year

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<th>Fall</th>
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<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRKT 4312</td>
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<td>MRKT 4314</td>
<td>3</td>
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<tr>
<td>MRKT 3315</td>
<td>3</td>
<td>MRKT Elective</td>
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<tr>
<td>MNGT 3340</td>
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<td>ECON Elective</td>
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<td>Business</td>
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<td>MNGT 4375</td>
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<tr>
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<td>15</td>
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</tbody>
</table>
Mathematics

Administered by the Department of Science and Mathematics within the College of Arts and Sciences.

Degree Requirements

The minimum total credits required for a B.S. in Mathematics is 120.

General Education

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this Catalog. The courses in physical and life science must form a two semester sequence. Include the following specified courses:

MATH 2413
MATH 2414

Computer Use

Mathematics majors must demonstrate a basic use of computers through completion of a course such as one of the following: COSC 1335, COSC 1430 or COSC 2320.

Major Requirements

In addition to General Education and Computer Use requirements, a Bachelor of Science in Mathematics requires (1) an English course (of index 2000 or higher), (2) NTSC 4301 and (3) NTSC 4511. Also, a B.S. in Mathematics requires a minimum of eight courses (at least 24 semester hours) beyond the level of Calculus.

Plans of study in mathematics have a common core of courses including:

MATH 2413, 2414, 2415  Calculus and Analytic Geometry I, II and III
MATH 3301  Statistics
MATH 3305  Mathematical Reasoning
MATH 3310  Linear Algebra
MATH 3315  Algebraic Structures
MATH 3360  Intermediate Analysis

The remaining three advanced courses required to complete the major are selected in consultation with the student’s advisor. Each course must be beyond Calculus. The final program must contain at least 18 semester hours at the 3000 and 4000 level. The choices should address the student’s educational objectives and may, with prior approval of the faculty, include appropriate quantitative courses in operations research, econometrics, and computer science. No more than 45 hours of mathematics may be applied toward the 120 semester hour minimum required for a degree.

Mathematics majors at U. T. Permian Basin are required to complete a minor of at least 18 semester hours, 9 of which must be of junior or senior level. The choice of the minor is up to the student, but it is recommended that the choice also be made to facilitate the student’s educational objectives.

Teacher Certification Considerations

Mathematics Majors

Mathematics majors seeking certification as mathematics teachers are required to elect MATH 3350, Topics in Geometry, as one of the advanced mathematics electives. Those planning to earn certification in either the EC-4 or 4-8 levels must take MATH 3300, Foundational Mathematics. All certification students are strongly encouraged to elect MATH 4325, Number Theory.
TExES/ExCET Requirements

Candidates for TExES/ExCET tests in Mathematics must have completed the courses listed for each area below or equivalent courses in their teaching fields.

Mathematics 8-12: MATH 2413, 2414, 2415, 3301, 3305, 3310, 3315 and 3350.  
Mathematics EC-4 and 4-8: MATH 2412, 2413, 2414, 3300, 3301, 3305, 3315, and 3350.

Minor in Mathematics

Lower Level:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2413</td>
<td>Calculus and Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2414</td>
<td>Calculus and Analytic Geometry II</td>
<td>4</td>
</tr>
</tbody>
</table>

Upper Level:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3305</td>
<td>Mathematical Reasoning</td>
<td>3</td>
</tr>
</tbody>
</table>

One from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2415</td>
<td>Calculus and Analytical Geometry III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3320</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3301</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3360</td>
<td>Intermediate Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

One from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3310</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3315</td>
<td>Algebraic Structures</td>
<td>3</td>
</tr>
<tr>
<td>COSC 3312</td>
<td>Discrete Mathematics I</td>
<td>3</td>
</tr>
</tbody>
</table>

One more upper level math class:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>

Total 20-21

Students minoring in Mathematics must have at least 9 credit hours at the upper level and at least 18 credit hours total, as minor electives.

Faculty in Mathematics may allow transferred credits to count towards a major or a minor in Mathematics. The number of credit hours required, at upper level or in total, cannot be reduced except by academic petition.

Course Listing

Four of the following courses are typical entrance level mathematics courses for freshmen. MATH 1332 and MATH 1333 are designed for general education. MATH 2412 is the normal course to be taken for science and mathematics students unless they are qualified to start the calculus. MATH 1324 starts the mathematics sequence addressing the needs of business and social science students.

MATH 0398 Beginning Algebra (3)
This course content is the study of basic algebra, including operations of algebraic expressions, polynomial factoring, algebraic fractions, linear equations with one and two variables, inequalities and exponents.

MATH 0399 Fundamentals of Mathematics (0)
Intended to prepare students for entry into MATH 1332, MATH 2412 or MATH 1324. This is a non credit course including introductory and intermediate algebra and geometry. Repeatable, but does not count towards a degree. FS

MATH 1324 Applications of Discrete Mathematics (3)
Mathematics for modeling in the social and behavioral sciences. Topics include finite mathematics, sets, logic, matrix/vector manipulations. Prerequisite: Two years of high school algebra, one year of high school geometry and satisfactory score on placement examination or completion of MATH 0399. FS
MATH 1325 Applications of Continuous Mathematics (3)†
Continuation of MATH 1324. Differential and integral calculus of polynomials, logarithmic and exponential functions, elementary probability, with applications to the social and behavioral sciences. Prerequisite: MATH 1324. FS

MATH 1332 Contemporary Mathematics I (3)†
Modern applications of mathematics including graph theory, optimization, data organization, and social decision models. Prerequisite: Two years of high school algebra, one year of high school geometry and satisfactory score on placement examination or completion of MATH 0399. FS

MATH 1333 Contemporary Mathematics II (3)†
Modern application of mathematics including probability, statistics and classical and modern geometry. Brief introduction to computers and computation. Prerequisite: Two years of high school algebra, one year of high school geometry and satisfactory score on placement examination or completion of MATH 0399. FS

MATH 2412 Precalculus (4)†
College algebra (sets, functions, relations, logic), trigonometry (circular functions, logarithms and exponential functions), and analytic geometry (standard form conic sections). Prerequisite: Two years of high school algebra, one year of high school geometry and satisfactory score on placement examination or completion of MATH 0399. FS

MATH 2413 Calculus I (4)†
Differentiation of functions of one variable, introduction to integration. Prerequisite: MATH 2412 or satisfactory score on placement examination. FS

MATH 2414 Calculus II (4)†
Continuation of MATH 2413. Integration of transcendental functions, techniques of integration, sequences and series. Prerequisite: MATH 2413 FS

MATH 2415 Calculus III (4)†
Continuation of MATH 2414, Vector and multivariate calculus, transformations of coordinates. Green's and Stokes' Theorem. Prerequisite: MATH 2414. S

MATH 3300 Foundational Mathematics (3)
Basic set theory, axiomatic structure of the number system, foundations of arithmetic and informal geometry. Prerequisite: Completion of the two course general education mathematics requirement.

MATH 3301 Statistics (3)
Basic concepts and applications of probability, descriptive and inferential statistics, and linear regression. Computer laboratory assignments. Prerequisite: MATH 2414. F

MATH 3305 Mathematical Reasoning (3)
Logic methods of proof, set theory, relations, functions, cardinality. Algebraic properties of the real, rational, and integer number systems. Prerequisite: MATH 2414. FS

MATH 3310 Linear Algebra (3)
Vectors, vector spaces, matrices, linear transformations, eigenvalues, eigenvectors, canonical forms and their applications. Prerequisite: MATH 2414. F

MATH 3315 Algebraic Structures (3)
Sets, groups, rings and fields, with applications to the ring of integers and polynomial rings. Prerequisite: MATH 3305 or permission of instructor. S

MATH 3320 Differential Equations (3)
Ordinary differential equations including power series, Laplace transform methods and systems of linear differential equations with applications. Special emphasis on existence and uniqueness of solutions. Prerequisite: MATH 2414

MATH 3350 Topics In Geometry (3)
Cross ratio, elementary transformations, Euclidean constructions, introduction to non-Euclidean geometry, and other topics in modern geometry. Prerequisite: MATH 3305. S

MATH 3360 Intermediate Analysis (3)
Limits, continuity, uniform continuity, derivatives, integrals and mean value theorems. Prerequisite: MATH 3305. F

MATH 4300 History of Computation (3)
History of mathematics from prehistoric to the present with emphasis on techniques and devices for computation. Prerequisite: MATH 2414.
MATH 4325 Number Theory (3)
Basic properties of integers, including primes, unique factorization, divisibility congruences, Euler's phi function, Diophantine equations and other selected topics. Prerequisite: MATH 3305.

MATH 4370 Complex Variables (3)
Complex analysis including analytic functions, power series, residues and conformal mappings. Prerequisite: MATH 3360.

MATH 4389 Selected Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. May be acceptable for graduate credit.

MATH 4390 Theory of Computation (3)
Turing machines, Church's thesis, recursive functions, computability and computational complexity. Prerequisite: COSC 3312 or MATH 3315.

MATH 4391 Contract Study (3)
Advanced independent study or research (equivalent to senior-level course). These courses will not count for graduate credit.

† Course fulfills general education requirements.
DEGREE PLAN: BS IN MATHEMATICS

General Education Requirements (30 hours):

- English Composition, 6 semester credit hours: 1301, 1302
- Literature, 3 semester credit hours: 2322, 2323, 2327, 2328
- U.S. History, 6 credits (2 courses) 1301, 1302 recommended
- U.S. and State Government, 6 credits (2 courses) 2301, 2302
- Communication, 3 credits: COMM 1311, 1315, 1321, 2320
- Visual and Performing Arts, 3 semester credit hours
- Social Science, 3 semester credit hours

HOURS FROM OTHER INSTITUTIONS (IF ANY):
Freshman/sophomore total (66 credits maximum transferred in) ..............................................................
Junior/senior level total transferred in ..............................................................
Total credits transferred in (90 credits maximum) ..............................................................................

Total credits completed at UTPB to date ..........

NOTES ON GRADUATING:
1. Read the U. T. Permian Basin catalog and be familiar with the University's requirements for the BS degree. It is the student's responsibility to read the catalog and be familiar with and fulfill all the requirements for the BS degree.
2. Complete at least 120 semester credit hours for the BS degree.
3. At least 54 credits must be at the junior or senior level. At least 30 of these must be completed at U. T. Permian Basin.
4. Students majoring in Mathematics seeking secondary teacher certification are not required to complete a minor, but must complete a minimum of 24 credits in their second teaching field.
5. Obtain at least a C grade in all General Education, minor and Math courses counting to the minimum course requirements. Maintain at least a grade point average of 2.0 or C in all courses applicable toward the BS degree.

MINOR:
A minor requires 18 credit hours of which 12 credit hours must be completed at the junior and senior level.

<table>
<thead>
<tr>
<th>DISC</th>
<th>COURSE</th>
<th>GRADE</th>
<th>CREDIT HOUR</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
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<th>COURSE</th>
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DEPARTMENTAL REQUIREMENTS:

- Literature, 3 semester credit hours
- Science with lab: Biology, Chemistry, Geology, Physics
- Science with lab (take the companion to above course)
- COSC 1335, 1430, or 2320 (programming)
- MATH 2413 Calculus & Analytical Geometry I, 4 hours
- MATH 2414 Calculus & Analytical Geometry II, 4 hours
- NTSC 4301 Environmental Ethics, 3 semester credit hours
- NTSC 4311 History & Philosophy of Science, 3 hours

MATHEMATICS COURSES:

- MATH 2415 Calculus & Analytical Geometry III, 4 hours
- MATH 3301 Statistics, 3 hours (prereq. MATH 1325 or 2414)
- MATH 3305 Mathematical Reasoning, 3 hours (2414)
- MATH 3310 Linear Algebra, 3 hours (MATH 2414)
- MATH 3315 Algebraic Structures, 3 hours (MATH 3305)
- MATH 3360 Intermediate Analysis (MATH 3305)
- MATH 3xxx or 4xxx
- MATH 3xxx or 4xxx
- MATH 3xxx or 4xxx

Mathematics majors and any students seeking certification as mathematics teachers are required to elect MATH 3350, Topics Geometry, as one of the advanced mathematics electives. Those planning to teach in the elementary school should also take MATH 3300 Foundational Mathematics. All certification students are strongly encouraged to elect MATH 4325, Number Theory.
Multicultural Studies

(Minor Only)

The Multicultural Studies Minor provides students with insight into various cultures and the interaction of differing cultures in a single society. Particular focus is given to groups that have been traditionally underrepresented in the study of the history, politics, economics, literature and arts of the Southwestern United States. Further, focus is given to issues of people and countries as part of a global socioeconomic and political structure. The insights gained through this minor will be useful to those working with underrepresented populations in the U.S. and internationally, as well as, those who simply seek a fuller understanding of societies globally.

Consult the College of Arts and Sciences Academic Advising Office for a list of faculty advisors.

Minor Requirements

Students will choose 18 hours from the following courses. SOCI 3345 OR SOCI 4320 is required.

It is also recommended that students take:

- No more than 3 hours in the major discipline
- No more than 6 hours of lower level courses
- No more than 6 hours from any one discipline

| ARTS 2340 | Art History Survey I | PSYC 3311 | Social Psychology |
| ARTS 2341 | Art History Survey II | PSYC 3341 | Child/Adolescent Psychology |
| ARTS 3300 | American Art History | PSYC 4307 | Health Psychology |
| ARTS 3301 | Women Artists I | PSYC 4381 | Psychology of Women |
| ARTS 3303 | Cross Cultural Art | SOCI 3345 | Race, Gender, Ethnicity and Social Change |
| COMM 4308 | Intercultural Communication | SOCI 3349 | The Child in Society |
| DRAM 4340 | Topics in Theatre History | SOCI 4317 | Women's Studies |
| EDUC 3322 | Developing Reading Strategies | SOCI 4320 | Social Stratification |
| EDUC 3322 | Through Classroom Literature | SOCI 4325 | Globalization |
| ENGL 3306 | Ethnic Literature | SOCI 4370 | Family Dysfunction & Sub. Abuse |
| ENGL 3325 | American Women Playwrights | SPAN 3311 | Practical Spanish and Translation |
| HIST 3353 | The Southwestern United States | SPAN 3321 | Hispanic Civilization |
| HIST 3355 | Slavery in America | SPAN 4301 | Spanish Literature I |
| HIST 3371 | American Minorities | SPAN 4311 | Spanish-American Literature I |
| HIST 4308 | History of the Mexican/U.S. Border | SPAN 4351 | Mexican Literature |
| HIST 4377 | Chicana/o History | SPAN 4352 | Mexican-American Literature |
| HIST 4378 | American Black Leaders |
| MNGT 4320 | International Management |

The Spanish courses have prerequisites which require fluency in the language. Please see the course descriptions in the Spanish section of this catalog for specific prerequisites. This may apply to other courses as well.

Ana E. Leon, PhD
Associate Professor of Foreign Languages

Proficient in Spanish, English and Italian, Dr. Leon has a wide range of experience in teaching at the graduate and undergraduate level. She teaches Spanish language and literature classes at UTPB. Her research areas in Spanish linguistics and sociolinguistics has led her to study Texas legend Stephen F. Austin and his impact on Spanish linguistics. In 1996, she was the recipient of the Golden Windmill Award at UTPB for her research.
Multidisciplinary Studies

Administered by the College of Arts and Sciences in collaboration with the School of Education. Consult the College of Arts and Sciences academic advising office in MB 361 for a list of advisors.

The Multidisciplinary Studies major is interdisciplinary in nature and is designed to better prepare students for the demands of teaching in the classroom of the 21st century. To that end, the program provides future elementary and middle school teachers with a broad academic knowledge base in the Humanities, Fine Arts, Science, Mathematics, and the Social Sciences.

The program in Multidisciplinary Studies is specifically designed to meet the needs of teachers at the early childhood through 4th grade and 4th grade through 8th grade levels. Drawing on a rich tradition of academic interdisciplinary study, the primary objective of the program is to provide future teachers with the academic knowledge and pedagogical competency to make themselves more effective classroom educators. Graduates of the program will be prepared to assume positions of increasing responsibility in the elementary and middle school community.

Degree Requirements

The total credits required for a BA in Multidisciplinary Studies are 127-139.

General Education 44 credits

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog, including two mathematics courses of college-level algebra or higher (MATH 1332 and MATH 1333 recommended).

Computer Use

Multidisciplinary Studies majors must demonstrate a basic use of computing through completion of COSC 1335 or similar computer science course that requires the actual use of computers.

Major Foundation Courses 17 credits

KINE 1301 Concepts in Fitness and Health
or KINE 3310 Motor Development

GEOG 1301 Physical Geography
or GEOG 1302 Cultural Geography

PSYC 3301 Introductory Statistics (or equivalent course)

Physical and Life Sciences (8 credits)
When the two science courses required here are combined with the two science courses taken to meet the general education requirements, at least two of the four courses must consist of a paired sequence, i.e., BIOL 1306/1106 and BIOL 1307/1107, or CHEM 1331/1133 and 1332/1134, or GEOL 1401 and 1402, or PHYS 1401 and 1402, or ENSC 1401 and 1402.

Major Advanced Courses (upper division) 36-38 credits

Language Arts (15 credits)

ENGL 3300 Theoretical Approaches to Literature
ENGL 3371 The English Language
or ENGL 3372 English Grammar
ENGL 33xx (ENGL 3340 or ENGL 3341 recommended)
ENGL 43xx Senior-level course in literature
COMM 3337 Small Group Communication
or COMM 3356 Oral Interpretation
or COMM 4308 Intercultural Communication
or COMM 4309 Group Performance
or COMM 4320 Communication and Instruction

UTPB 2003–2005 Undergraduate Catalog 209
Mathematics (3 credits)
MATH 3300 Foundational

Social Sciences/Social Studies (12 credits)
PSYC 3341 Child and Adolescent Psychology
PSYC 4341 The Exceptional Child
or EDUC 3352 The Exceptional Child
HIST 3351 Modern Texas
or HIST 4341 Colonial America
or HIST 4342 The National Period in American Life
or HIST 4344 Revolutionary America
or HIST 4354 Civil War and Reconstruction
or HIST 4355 The American South
ARTS 3303 Cross-cultural Art
or ENGL 3306 Ethnic Literature
or HIST 3371 American Minorities
or HIST 4376 Women in Modern America
or KINE 4340 Sociology of Sport and Physical Activity
or PSYC 3311 Social Psychology
or SOCI 3345 Race, Gender, Ethnicity, and Social Change
or SOCI 4344 Racial and Cultural Minorities
or SPAN 3351 Mexican Literature
or SPAN 3352 Mexican-American Literature
or SPAN 4378 Hispanic Children’s Literature

Physical and Life Science (2 courses; 6-8 credits)
Some courses have prerequisites; guidance from the advisor is essential.
BIOL 3323 Botany (with lab)
or BIOL 3300/3101 Microbiology (with lab)
or BIOL 3324/3125 Cell Biology (with lab)
or BIOL 3350/3151 Human Anatomy (with lab)
or BIOL 3352/3153 Human Physiology (with lab)
or BIOL 3372 Principles of Ecology
or BIOL 4340 Genetics
or BIOL 4342 Evolution
or BIOL 4354 Animal Behavior
or CHEM 3411/3113 Organic Chemistry I (with lab)
or CHEM 3412/3114 Organic Chemistry II (with lab)
or CHEM 3324/3225 Analytical Chemistry (with lab)
or GEOL 3317 Environmental Geology
or GEOL 3318 Oceanography
or GEOL 3407 Introduction to Paleontology
or ENSC 3304 Introduction to Environmental Science

Teacher Education Requirements 27-36 credits

Students must contact the UTPB School of Education certification office for assistance in developing a plan for certification as an elementary or middle school teacher. A valid teacher certification plan must be filed with your degree plan for the BA in Multidisciplinary Studies. To remain eligible for certification, a student must maintain an overall GPA of 2.50, as well as a 2.75 GPA in the major courses and Education courses.

To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-4 or 4-8 must take at least 9 hours of math (may include statistics) at or above college-level algebra and at least 12 hours of science. They should plan accordingly when meeting general education and elective course requirements. Students seeking certification as a 4-8 Generalist must take at least 12 hours of math and 14-16 hours of science. (Students certifying to teach 4-8 Math or Science will have additional hours in their respective disciplines.)

Education Core Courses (6 credits)
In addition to PSYC 3341 and PSYC 4341 (EDUC 3352), which are listed above, the following courses must be completed prior to admission to the teacher certification program:

EDUC 3362 Fundamentals of Bilingualism and Multiculturalism
EDUC 3370 Foundations of Education
Students must be admitted to the teacher certification program in order to enroll in additional Education coursework. After admission to the program, candidates will pursue one of the following concentrations.

**EC-Grade 4 Generalist (30 credits)**
Students seeking certification for Early Childhood through Grade 4, will complete 24 additional credits in language arts, reading, and pedagogy, as well as 6 credits in student teaching. Required courses and the sequence in which they must be taken, are detailed in the School of Education section of this catalog and must be selected in consultation with the student's certification advisor.

**Grades 4-8 Generalist (21 credits)**
Students seeking certification for Grade 4 through Grade 8 will complete 15 additional credits in language arts, reading, and pedagogy, as well as 6 credits in student teaching. Required courses and the sequence in which they must be taken, are detailed in the School of Education section of this catalog and must be selected in consultation with the student's certification advisor.
DEGREE PLAN: BA IN MULTIDISCIPLINARY STUDIES

GENERAL EDUCATION REQUIREMENTS (44 hours)
I. English Composition, 6 sch (ENGL 1301 & 1302)
II. Literature, 3 sch (ENGL 2322, 2323, 2327, or 2328)
III. U.S. History, 6 sch (HIST 1301 & 1302)
IV. U.S. and State Gov’t, 6 sch (PLSC 2301 & 2302)
V. * Science with lab, 8 sch (2 courses)
   - Math (Math 1332 or College Algebra or above)
   - Math (Math 1333 or Trigonometry or above)
   - Communication, 3 sch
   - Visual and Performing Arts, 3 sch (1 course)
   - Social Science, 3 sch (1 course)

COMPUTER USE (3 hours)
   - COSC 1335 or equivalent

MAJOR COURSES: FOUNDATIONAL (17 hours)
   - KINE 1301 or 3510
   - PSYC 3301 or equivalent
   - GEOG 1301 or 1302
   * Science with lab
   * Science with lab
* Two of the four lab courses must be sequential.
* The courses should include life and physical sciences.

MAJOR COURSES: UPPER DIVISION (36-38 hours)

Language Arts
   - COMM 3337, 3356, 4308, 4309, or 4320
   - ENGL 3300
   - ENGL 3371 or 3372
   - ENGL 33xx (ENGL 3340 or 3341 recommended)
   - ENGL 43xx (Literature)

Social Sciences
   - HIST 3351, 4341, 4342, 4344, 4354, or 4355
   - PSYC 3341 or equivalent
   - PSYC 4341 or EDUC 3352
   - [Select one course] ARTS 3303; ENGL 3306; HIST 3371;
     4376; KINE 4340; PSYC 3311; SOCI 3345; 4344; SPAN
     4351; 4352; 4378

Physical and Life Sciences
   - [Select one course] BIOL 3230/3231; 3300/3101;
     3324/3125; 3350/3151; 3352/3153; 3372; 4340; 4342; 4354;
     CHEM 3411/3113; 3412/3114; 3324/3325;
   - GEOG 3317; 3318; 3407; ENSC 3304
   - [Select second course]

NOTES ON GRADUATING

1. Read the U. T. Permian Basin catalog and be familiar with the degree requirements. It is the student's responsibility to read the catalog and be familiar with and fulfill all requirements for the degree.

2. Complete 127-139 semester credit hours for the degree and teacher certification. This degree plan may only be used in conjunction with teacher certification.

3. At least 54 credits must be at the junior or senior level. At least 30 of these must be completed at U. T. Permian Basin.

4. At least 24 of the last 30 credits must be completed at UTPB.

5. Obtain at least a C grade in all major courses. Maintain a grade point average of at least 2.50 in all courses applicable toward the degree.
   a. A grade point average of at least 2.75 in the major courses is required for admission to student teaching.

Mathematics
   - MATH 3300

EDUCATION COURSES (Select the appropriate track.)

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<thead>
<tr>
<th>EC-Grade 4 Generalist</th>
<th>Grade 4-8 Generalist</th>
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<td>EDUC 4680</td>
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<th>EC-Grade 4 Bilingual</th>
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</table>

212                                  UTPB 2003-2005 Undergraduate Catalog
Occupational Therapy

(Transfer Curriculum)

The University of Texas of the Permian Basin does not offer a degree program in Occupational Therapy. Within the Permian Basin, the Texas Tech University Health Science Center (TTUHSC) in Odessa offers a Bachelors of Science in Occupational Therapy for entry into the career. The TTUHSC Occupational Therapy program requires an entering student to have sixty semester credits of specified college courses. Below is a course equivalency guide showing the UTPB courses which meet requirements for entry into the TTUHSC Occupational Therapy program.

Entry into the TTUHSC Occupational Therapy program is very competitive. Following the course equivalency guide does not guarantee that a student will be accepted to Texas Tech or any other Occupational Therapy program. Following this guide will provide a prospective student with the right course preparation for the BS in Occupational Therapy program, if accepted.

Besides the TTUHSC program, Occupational Therapy is offered at five other Texas universities. Students planning to transfer into one of these programs should consult their catalogs for the first two years' requirements. Programs are at Texas Women's University, The University of Texas at El Paso, The University of Texas at San Antonio, The University of Texas Health Science Center at San Antonio and The University of Texas Medical Branch at Galveston.

### Occupational Therapy Equivalency Guide

<table>
<thead>
<tr>
<th>Texas Tech Course Requirement</th>
<th>UTPB Equivalent Course</th>
<th>Meet UTPB Degree Requirements for B. S. in Biology</th>
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<td>English 1301</td>
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<td>HIST 1302</td>
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<td>Political Science 1301</td>
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<tr>
<td>Political Science 2302</td>
<td>PLSC 2302</td>
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<td>Chemistry I 1307, Lab 1103</td>
<td>CHEM 1331, Lab 1133</td>
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<td>Biology 1402 or 1403/1404</td>
<td>BIOL 1306-1106</td>
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<td>Lab</td>
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<td>Physics I 1306, Lab 1103</td>
<td>PHYS 1401, Lab included</td>
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<td>A &amp; P I Zool 2403</td>
<td>BIOL 3350-3151</td>
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<td>A &amp; P II Zool 2404</td>
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<td>General Psychology 1300</td>
<td>PSYC 1301</td>
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<td>Sociology 1301</td>
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<td>MATH 3301</td>
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<td>SOCI 3317</td>
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<td>Speech Comm 2300</td>
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<td>Or Computer Sci 1335</td>
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<td>Humanities 3 hours and 3 hours Anthropology or Philosophy or Sociology (not General) and Free Elective 3 hours</td>
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</table>

UTPB 2003–2005 Undergraduate Catalog 213
Physical Therapy
(Transfer Curriculum)

The University of Texas of the Permian Basin does not offer a degree program in Physical Therapy. Within the Permian Basin, the Texas Tech University Health Science Center (TTUHSC) in Odessa offers a Master of Physical Therapy (MPT) for entry into the career. The TTUHSC Physical Therapy program requires an entering student to have ninety semester credits of specified college courses. Below is a course equivalency guide showing the UTPB courses which meet requirements for entry into the TTUHSC Physical Therapy program.

Entry into the TTUHSC Physical Therapy program is very competitive. Following the course equivalency guide does not guarantee that a student will be accepted to Texas Tech or any other Physical Therapy program. Following this guide will provide a prospective student with the right course preparation for the MPT program, if accepted.

Besides the TTUHSC program, Physical Therapy is offered at seven other Texas universities. Students planning on transferring to one of these programs should consult their catalogs for the first two or three years’ requirements. Physical Therapy programs may be found at Southwest Texas State University, Texas Women's University, The University of Texas at El Paso, The University of Texas Health Science Center at San Antonio, The University of Texas Medical Branch at Galveston and The University of Texas Southwestern Medical Center at Dallas.

<table>
<thead>
<tr>
<th>Texas Tech Course Requirement Number and Name</th>
<th>UTPB Equivalent Course</th>
<th>Meets UTPB Degree Requirements for B.S. in Biology</th>
</tr>
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<tbody>
<tr>
<td>English 1301</td>
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<td>Physics 1306, Lab 1103</td>
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<td>Physics 1307, Lab 1104</td>
<td>PHYS 1402, Lab included</td>
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<td>Upper Level Anat Zool 3405 Lab Included</td>
<td>BIOL 3350-3151 or 4350-4153</td>
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<td>Upper Level Physiol Zool 44 Lab Included</td>
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<tr>
<td>Additional Electives:</td>
<td>Suggested area in Arts &amp; Humanities. Upon application total hours with prerequisites must total 90.</td>
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</tbody>
</table>

* Indicates optional coursework.
Physician Assistant Studies

(Transfer Curriculum)

The University of Texas of the Permian Basin does not offer a degree program in Physician Assistant Studies. Within the Permian Basin, the Texas Tech University Health Science Center (TTUHSC) in Midland offers a Bachelors degree in Physician Assistant (PA) Studies for entry into the career. The TTUHSC PA program requires an entering student to have sixty-one semester credits of specified college courses. Below is a course equivalency guide showing the UTPB courses which meet requirements for entry into the TTUHSC Physician Assistant program.

Entry into the TTUHSC PA program is very competitive. Following the course equivalency guide does not guarantee that a student will be accepted to Texas Tech or any other PA program. Following this guide will provide a prospective student with the right course preparation for the PA program, if accepted.

Besides the TTUHSC program, Physician Assistant Studies is offered at five other Texas universities. Students planning on transferring to one of these programs should consult their catalogs for the first two years' requirements. Physician Assistant programs may be found at The University of Texas Health Science Center at San Antonio, The University of Texas Medical Branch at Galveston, The University of Texas Southwestern Medical Center at Dallas, The University of Texas - Pan American, and The University of Texas Health Science Center at Houston.

### Physician Assistant Equivalency Guide

<table>
<thead>
<tr>
<th>Texas Tech Course Requirement</th>
<th>UTPB Equivalent Course</th>
<th>Meets UTPB Degree Requirements for B. S. in Biology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number and Name</td>
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<tr>
<td>English 1301</td>
<td>ENGL 1301</td>
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<td>English 1302</td>
<td>ENGL 1302</td>
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<td>History 2300</td>
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<td>History 2301/3310</td>
<td>HIST 1302</td>
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<td>Political Science 1301</td>
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<td>Political Science 2302</td>
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<td>Micro Biology</td>
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<td>Lab Included</td>
<td>BIOL 4350/4151</td>
<td>Yes</td>
</tr>
<tr>
<td>Up. Lev. Physiol Zool 44</td>
<td>BIOL 3352-3153 or</td>
<td>Yes</td>
</tr>
<tr>
<td>Lab Included</td>
<td>BIOL 4352/4153</td>
<td>Yes</td>
</tr>
<tr>
<td>Psychology (Need 6 hours)</td>
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<td></td>
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<tr>
<td>General 1300</td>
<td>PSYC 1301</td>
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</tr>
<tr>
<td>Mathematics</td>
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<tr>
<td>Trigonometry 1321 and</td>
<td>MATH 2412</td>
<td></td>
</tr>
<tr>
<td>Stats 2300 or</td>
<td>MATH 3301</td>
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</tr>
<tr>
<td>Psych Stats 3403</td>
<td>PSYC 3301</td>
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<tr>
<td>Social Science Ele. Communications</td>
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<td></td>
<td>SPCH 1315</td>
<td>Yes</td>
</tr>
</tbody>
</table>

UTPB 2003–2005 Undergraduate Catalog 215
Political Science

Administered by the Department of Behavioral Science within the College of Arts and Sciences.

The purpose of the Political Science program is to provide an in-depth study of American government and politics to give students a basic knowledge of political systems and how institutions of government operate to solve social and political problems. U. T. Permian Basin’s Political Science program is oriented primarily toward the study of American government and politics and secondarily toward comparative government with supporting study in international relations. Students will be encouraged to develop a global perspective which will prepare them to assume leadership roles in shaping the future direction of society.

A wide variety of career opportunities are open to students majoring in political science, including the U. S. Foreign Service, specialized work in foreign countries, the federal government, foundations, private organizations, city management and other types of public administration and public service as well as others less directly related to government. Pre-Law students find the study of political science appropriate preparation for law school. A major in political science is suitable for students planning to teach government or social studies. Graduates in political science earn a Bachelors of Arts (BA) degree with a major in political science and a minor in a secondary field of study.

Degree Requirements

The minimum total credits required for a BA in Political Science is **120**.

**General Education**

44 Credits

Complete the requirements shown in the General Education Requirements section of this catalog, pages 51-52.

**Computer Use**

All majors must demonstrate a basic use of computing through completion of COSC 1335 or similar computer science course which requires the actual use of computers. COSC 1335 may be used to meet both this requirement and the general education requirements.

**Political Science Major Requirements**

30 Credits

- PLSC 2301 American, National, State and Local Politics I 3
- PLSC 2302 American, National, State and Local Politics II 3

(May take an additional 3-hour lower-level political science course.) 21-24 hours of upper-level political science courses.

(Should include at least one course in American, one in comparative, and one in international politics.)

**Minor in Political Science**

The purpose of the minor in political science is to provide students with some depth in a secondary field of study in American government and politics. Students will also have the option of taking courses in comparative and international politics which will give them a global perspective. A minor in political science will give students a basic knowledge of political systems and how institutions of government operate to solve social and political problems.

**Minor Requirements:**

The total credits required for a minor in political science is **18**.

- PLSC 2301 American, National, State and Local Politics I 3
- PLSC 2302 American, National, State and Local Politics II 3

12 hours of upper-level political science courses
TexES/ExCET Requirements

To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-4 or 4-8 must take at least 9 hours of math (may include statistics) at or above college-level algebra and at least 12 hours of science. They should plan accordingly when meeting general education and elective course requirements. Students seeking certification as a 4-8 Generalist must take at least 12 hours of math and 14-16 hours of science. (Students certifying to teach 4-8 Math or Science will have additional hours in their respective disciplines.)

Candidates for TEExES tests in 4-8 Social Studies must have completed the courses listed for each area below, or the equivalent courses from another college or university.

4-8 Social Studies: ECON 2301 and 2302; GEOG 1301, 1302 and 33xx (elective); HIST 1301 and 1302; HIST 3351; HIST 4341 or 4344; HIST 4354 or 4355; HIST 20th Century I and 20th Century II; PLSC 2301; PLSC 2302; PLSC 4335; PLSC 3321 or 4321.

Candidates for TEExES tests in 8-12 Social Studies must have completed the courses listed for each area below, or the equivalent courses from another college or university.

8-12 Social Studies: ECON 2301 and 2302; GEOG 1301, 1302 and 33xx (elective); HIST 1301 and 1302; 2311 or 2321; 2312 or 2322; 3323 or 3324; HIST 3326; HIST 4341 or 4344; HIST 20th Century I and HIST 20th Century II; PLSC 2301; PLSC 2302; PLSC 4335; PLSC 3321 or 4321.

Course Listing

PLSC 2301 American National, State and Local Politics I (3)†
An examination of the American political process at national, state and local levels. Satisfies state requirement in U.S. government and Texas government. Prerequisite: Two semesters of History or English. FS

PLSC 2302 American National, State and Local Politics II (3)†
An examination of the American political process at the national, state and local levels. Satisfies state requirement in U.S. government and Texas government. Prerequisite: Two semesters of History or English. FS

PLSC 3321 Comparative Politics (3)
A comparative examination of the political systems of selected economically developed nations.

PLSC 3327 Introduction to American Foreign Policy (3)
Examines the factors and forces that shape the development and implementation of American foreign policy. Course includes consideration of presidential control of foreign policy and diplomacy, congressional oversight and interest group participation.

PLSC 3333 Political Science Research and Methods (3)
Examines the basic concepts and methods of research in political science, including theory, hypotheses, measurement, and research design.

PLSC 3389 Multilist Course (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

PLSC 3391 Contract Study (3)
Advanced independent study or research (equivalent to senior level course). These courses will not count for graduate credit.

PLSC 4312 Politics in the American States (3)†
An examination of the states as subsystems of the political system of the United States. Topics include federalism socio-economic environments, state political cultures, pressure groups, state political parties and decision-making agencies.

PLSC 4321 Politics of Advanced Industrial Democracies (3)
Examines the problems, politics and policies among advanced industrial democracies, with a particular focus on comparative strategies, institutions and executive/legislative relations.

PLSC 4327 International Politics (3)
An examination of the major variables affecting the political interaction of national states. Various theories, approaches and modes of analysis will be considered.
PLSC 4335 Constitutional Law (3)
An examination of trends in American constitutional development since 1789, utilizing leading decisions of the U. S. Supreme Court.

PLSC 4345 Public Policy (3)
An examination of the processes, theories and institutions of public policy making in the U.S. Specific policies include: economic policy, environmental policy, education policy and crime policy.

PLSC 4347 Public Administration (3)
A survey of American public administration and the role of the bureaucracy in the formulation and implementation of public policy.

PLSC 4351 Political Theory (3)
A topical examination of the enduring issues in western political thought. Consideration will be given to the nature of citizenship, the function of the state, the sources and structure of authority in society, the magnitude of states, and the external relations of states.

PLSC 4354 The American Presidency (3)
An examination of the evolution of the modern presidency in the twentieth century and the duties, powers and problems of that institution today.

PLSC 4389 Selected Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. May be acceptable for graduate credit.

PLSC 4391 Contract Study (3)
Advanced independent study or research (equivalent to senior level course). These courses will not count for graduate credit.

† Course fulfills general education requirements
DEGREE PLAN: BA IN POLITICAL SCIENCE

General Education Requirements: (Please refer to pages 51-52 of the catalog for course choices that will fulfill these requirements)

- English Composition, 1301 & 1302
- Literature 2322, 2323, 2327, or 2328
- U.S. History, 1301 & 1302
- U.S. and State Government 2301 & 2302
- Lab Sciences, 8 sch, (2 courses)
- Mathematics (college algebra or above)
- Mathematics (computing, logic, math, stats)
- Communication, 3 sch, (1 course)
- Visual and Performing Arts, 3 sch (1 course)
- Social Science, 3 sch (1 course)
- Computer Science, 1335 recommended

NOTES ON GRADUATING:
1. Read the U. T. Permian Basin catalog and be familiar with the University’s requirements for the BA degree. It is the student’s responsibility to read the catalog and be familiar with and fulfill all the requirements for the BA degree.
2. Complete at least 120 semester credit hours for the BA degree.
3. At least 54 credits must be at the junior or senior level. At least 30 of these must be completed at U. T. Permian Basin.
4. Obtain at least a “C” grade in all Political Science courses. Maintain at least a grade point average of 2.0 in all courses applicable toward the BA degree.

MINOR: A minor requires 18 sch of which 12 sch must be completed at the junior and senior level. (Please refer to the catalog for specific minor requirements.)

POLITICAL SCIENCE MAJOR: 30 SCH
A major in Political Science requires 30 sch in Political Science, 21-24 sch of which must be upper-level Political Science courses.

REQUIRED COURSES:
- PLSC 2301 American, National, State & Local Politics I
- PLSC 2302 American, National, State & Local Politics II

Upper-level courses should include at least one upper-level course in comparative government, one in American government, and one in international relations from the following list of courses:

- PLSC 2389 Multilist Course
- PLSC 3321 Comparative Politics
- PLSC 3333 Intro Political Science Research & Methods
- PLSC 3327 Introduction to American Foreign Policy
- PLSC 3389 Multilist Course
- PLSC 3391 Contract Study
- PLSC 4312 Politics in the American States
- PLSC 4321 Politics of Advanced Industrial Democracies
- PLSC 4327 International Politics
- PLSC 4335 Constitutional Law
- PLSC 4345 Public Policy
- PLSC 4347 Public Administration
- PLSC 4351 Political Theory
- PLSC 4354 The American Presidency
- PLSC 4389 Selected Topics
- PLSC 4391 Contract Study
- PLSC
- PLSC
- PLSC
- PLSC
- PLSC
Pre-Engineering

(Transfer Curriculum)

The University of Texas at El Paso permits UTPB students to transfer into its upper division program in engineering. Any student who completes, with a grade of C or better in all courses, the appropriate lower division program below, can transfer into the U. T. El Paso upper level program. Consult the Department of Science and Mathematics or the College of Arts and Sciences Academic Advising Office for a list of names of faculty advisors.

General Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 1301, 1302</td>
<td>English Composition I, II</td>
<td>6</td>
</tr>
<tr>
<td>HIST 1301, 1302</td>
<td>History of the U. S. to 1877, since 1877</td>
<td>6</td>
</tr>
<tr>
<td>PLSC 2301, 2302</td>
<td>U. S. National, State, and Local Politics I, II</td>
<td>6</td>
</tr>
<tr>
<td>MATH 2415, 2414</td>
<td>Calculus and Analytic Geometry I, II</td>
<td>8</td>
</tr>
<tr>
<td>PHYS 2425, 2426</td>
<td>University Physics I, II</td>
<td>8</td>
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Engineering Preparation

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<th>Course</th>
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<tr>
<td>MATH 2415</td>
<td>Calculus and Analytic Geometry III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3320</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1417</td>
<td>FORTRAN Programming</td>
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</tr>
<tr>
<td>CHEM 1331/1133</td>
<td>General Chemistry I, II</td>
<td>8</td>
</tr>
<tr>
<td>1332/1134</td>
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<td></td>
</tr>
</tbody>
</table>

In addition, lower division students enrolled at U. T. El Paso complete the following general requirements during the first two years. Some of these courses may be available on the U. T. Permian Basin campus via a two-way interactive television link to the U. T. El Paso campus. Alternatively, these courses may be taken following transfer to UTEP.

- Introduction to Engineering 3
- Engineering Graphics 3
- Engineering Mechanics - Statics 3
- Engineering Mechanics - Dynamics 3

Specific engineering programs at U. T. El Paso have additional requirements which are normally completed during the first two years. These are listed below for the different engineering programs at U. T. El Paso. Except for MATH 3301, these courses will need to be completed upon transfer to U. T. El Paso.

All programs have elective requirements which could be completed at U. T. Permian Basin before transfer.

Bachelor of Science in Civil Engineering

- Mechanics of Materials 3
- Thermodynamics 3

Bachelor of Science in Electrical Engineering

- Measurements Lab 1
- Digital Systems 3
- Networks I 3
- Basic EE Lab 1

Bachelor of Science in Industrial Engineering

- Ergonomics 3
- Manufacturing Processes 3
- MATH 3301 Statistics (Available at U. T. Permian Basin) 3

220 UTPB 2003–2005 Undergraduate Catalog
Bachelor of Science in Mechanical Engineering

Materials Selection 3
Manufacturing Processes 3
Mechanics of Materials 3

Bachelor of Science in Metallurgical Engineering

Introduction to Metallurgy 3
Materials Selection 3
Transport Processes 3
Thermodynamics 3

Students planning to transfer to institutions other than U. T. El Paso should elect the general education and engineering preparation courses listed above. The student should check with the intended transfer institution as to specific requirements and transfer policies.

While U. T. Permian Basin does not offer a degree in engineering, all courses suggested for the pre-engineering transfer program may be applied to U. T. Permian Basin degree programs in the sciences and mathematics.

You too can have a great future....

Dr. Sean Kevin Roden was named the 2000 Distinguished Alumnus of UTPB. Dr. Roden graduated from U. T. Permian Basin in 1990 with a Master of Science in biology. Today his profession is aerospace medicine with a fellowship at The University of Texas Medical Branch (UTMB)/National Aeronautics & Space Administration (NASA) Johnson Space Center at Galveston, an associate professorship at UTMB, a private practice, and as a Federal Aviation Administration (FAA) medical examiner. Dr. Roden is also trained and ready for biomedical research and performing space physiology studies and medical procedures on manned space flights.

The medical doctor trained with the “Royal Flying Doctor Service,” and “The Australian Rural Health Service.” He is educated in providing forensic services for FAA crash sites. Dr. Roden is a 1994 graduate of the UTMB.
Pre-Professional Health

(Transfer Curriculum)

The University of Texas of the Permian Basin offers academic and pre-professional advising toward a number of professional health programs, including medicine, dentistry, chiropractic medicine, optometry, pharmacy, physician’s assistant, podiatry and veterinary medicine. The mission of the health professions’ advising program is to help students become well-informed and well-prepared applicants to enter health professions schools. To fulfill this mission, the health professions advising program offers the following services to interested students: academic advising, admission statistics to various professional schools, admissions test information, application guidelines and some applications materials and general information on all health career options. The Health Professions Advisory Committee annually conducts mock interviews for interested applicants to medical and dental schools and to other professional schools as space permits. Please refer to the Health Professions Advisor in the Department of Science and Mathematics for further information regarding the program.

These pre-professional health curriculums are not undergraduate majors; students have the option to major in any academic discipline they choose and they are encouraged to choose a major reflecting their academic interests and abilities. Nevertheless, most professional health programs require certain courses in mathematics and the natural sciences that must be taken in addition to a student’s major requirements if those courses are not otherwise taken for the major. Therefore, largely for operational convenience, the pre-professional health curriculums are offered primarily through the Biology and Chemistry programs within the College of Arts and Sciences. Students planning careers in one of the health professions, regardless of major, should contact the health professions’ advisor for appropriate pre-professional advising. Consult with the Office of the Department of Science and Mathematics or the College of Arts and Sciences Academic Advising Office for a list of health professions’ advisors.

The health professional schools have, as requirements for acceptance into their programs, a minimum number of undergraduate semester credit hours ranging from 60 to 90, depending on the school. In practice, however, applicants with these minimum requirements rarely receive admission; a baccalaureate degree is highly desirable and as a general rule it is recommended that students plan on completing their degree before entering a health professions school.

Below is a course equivalency guide showing the UTPB courses that meet what are essentially minimum requirements for entry into the eight medical and three dental schools in the State of Texas. Most of the other health professions schools have similar requirements. This guide is only approximate. Additional courses are required by some schools. Students should contact The University Health Professions Advisor or the individual professional school for more complete information regarding course requirements. Entry into these professional health programs is very competitive. Following the course equivalency guide does not guarantee that a student will be accepted into a professional school. Therefore, students should choose a major that prepares them for alternative career choices.

Pre-professional Course Requirements and Equivalency Guide for Medical and Dental Schools in Texas

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>UTPB Course Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject and Hours</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>ENGL 1301, ENGL 1302</td>
</tr>
<tr>
<td>General Biology I and II, with lab (8 hours)</td>
<td>BIOL 1306/1106, BIOL 1307/1107</td>
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<tr>
<td>General or Inorganic Chemistry I and II, with lab (8 hours)</td>
<td>CHEM 1331/1133, CHEM 1332/1134</td>
</tr>
<tr>
<td>Organic Chemistry I and II, with lab (10 hours)</td>
<td>CHEM 3411/3113, CHEM 3412/3114</td>
</tr>
<tr>
<td>Physics I and II, with lab (8 hours)</td>
<td>PHYS 1401, 1402</td>
</tr>
<tr>
<td>Calculus I (3 hours)</td>
<td>MATH 2413</td>
</tr>
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</table>
Psychology

Administered by the Department of Behavioral Science within the College of Arts and Sciences.

Psychology is the science of behavior and mental processes. Behavior is anything an organism does that we can observe and record; examples include smiling, talking, yelling, and marking a questionnaire. Mental processes are internal subjective experiences we infer from behaviors such as thoughts, feelings, and beliefs.

During their study at UTPB, psychology majors are expected to gain knowledge about theoretical perspectives and empirical findings across a wide range of topics, understand and apply research methods, develop critical and creative thinking skills, apply psychological principles to a wide range of activities, learn ethical principles that underlie psychological approaches, demonstrate competence with information technology, communicate effectively, understand and respect the complexity of socio-cultural diversity, understand avenues for personal development, and apply psychological principles in various occupations.

Psychology is an extremely broad discipline, and provides students the opportunity to prepare for a wide variety of careers or graduate school. For example, a major in Psychology can provide a liberal arts education with a broadened understanding of psychological functioning as it applies to the study of the simplest organisms to the most complex of human behavior. The major in Psychology is also useful for students preparing for advanced study in business administration, education, law, medicine, neuroscience, and social work. In addition, the major in Psychology is recommended for students planning careers in organizational settings (in the public or private domain) focusing on personnel, industrial training, urban planning, information systems, or pure and applied research; or careers in community settings focusing on the juvenile justice system, adult probation and parole, recreation, and educational or clinical services to children, adolescents, the aged and handicapped.

Students who complete the psychology major often desire to enter professional careers in psychology which require advanced study beyond the bachelor’s level, such as clinical psychology, counseling psychology, industrial psychology, school psychology, research, and college teaching.

Psychology majors are encouraged to join the Psychology Club and Psi Chi, the U. T. Permian Basin Chapter of the National Honor Society in Psychology. Membership information is available from the faculty advisors.

Degree Requirements

The minimum total credits required for a B. A. in psychology is 120.

**General Education**

44 Credits

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog. Include this specified course.

Biology

BIOL 1306 (lecture) with BIOL 1106 (lab)

**Computer Use**

All Psychology majors must demonstrate a basic use of computing through the completion of PSYC 3301 and PSYC 4304.

**Psychology Major Requirements**

36 Credits

Students majoring in psychology must take a minimum of 36 credit hours in psychology. Normally 30 hours of upper level courses are required. The maximum number of hours that can be taken in psychology is 45. Required courses include Introductory Psychology (PSYC 1301), Introductory Statistics (PSYC 3301), Experimental Psychology (PSYC 3404) and Independent Research in Psychology (PSYC 4393). In addition each student majoring in psychology is required to take at least one course in five of the six following pairs:

1. PSYC 3403, Principles of Learning, and/or PSYC 4311, Cognitive Psychology
2. PSYC 3311, Social Psychology, and/or PSYC 4306, Industrial/Organizational Psychology
3. PSYC 3321, Abnormal Psychology, and/or PSYC 4351, Tests and Measurements

UTPB 2003–2005 Undergraduate Catalog 223
4. PSYC 3341, Child/Adolescent Psychology and/or PSYC 3343, Adult Development and Aging
5. PSYC 4302, History and Systems of Psychology, and/or PSYC 3322, Theories of Personality
6. PSYC4304, Physiological Psychology, and/or PSYC 4312, Sensation and Perception

Besides the required courses and pairs, psychology majors will need an additional 9 credit hours as elective courses in psychology. Students should pay attention to prerequisites for enrollment in some courses. During their first semester, students are asked to make a degree plan with their psychology advisor, and contact their advisor each semester before registering. Independent Research (PSYC 4393) must be taken in the senior year. Students majoring in psychology who plan to pursue advanced study in psychology should make a plan with an advisor. They are encouraged to select PSYC 3405 and PSYC 4304, PSYC 3311, PSYC 3321, PSYC 3341, and PSYC 3322 from the six pairs above. Students should consult with their faculty advisor for specific planning of additional elective courses in psychology.

Spencer K. Thompson, PhD
Associate Professor of Psychology

Dr. Thompson came to UTPB from the doctoral program at UCLA and serves as coordinator of the psychology faculty. He teaches in the areas of developmental psychology, socialization processes, family dynamics and research methods. His research is in gender role development, moral development, adolescent to adulthood transitions and family socialization effects. He is very active in professional organizations and graduate training.

Minor in Psychology

Minor Requirements

A minor in psychology supports students who are interested in broadening their knowledge of behavior and mental processes in our modern world. This can be of great value in business, teaching, government, health and human service careers.

The total credits required for a minor in Psychology is 18.

12 of the 18 credits required must be upper level.

Introductory Psychology (PSYC 1301) is required; however, if prerequisites are met, the student may choose any of the other psychology courses to fulfill the minor in psychology.

To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-4 or 4-8 must take at least 9 hours of math (may include statistics) at or above college-level algebra and at least 12 hours of science. They should plan accordingly when meeting general education and elective course requirements. Students seeking certification as a 4-8 Generalist must take at least 12 hours of math and 14-16 hours of science. (Students certifying to teach 4-8 Math or Science will have additional hours in their respective disciplines.)

Course Listing

PSYC 1301 Introduction to Psychology (3)†
Foundation for the understanding of basic psychological principles affecting human behavior (A prerequisite to all other courses in psychology). FS
PSYC 2389 Special Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

PSYC 3301 Introductory Statistics (3)
Measures of central tendency, variability, correlation and hypotheses testing, with emphasis on the application of statistical methods to research in the behavioral sciences and education. Prerequisite: must have fulfilled general education mathematics requirement. FS

PSYC 3311 Social Psychology (3)
Interrelationships between individuals and their social environment, considering social influences upon motivation, perception, behavior and development, and change of attitudes and opinion. Prerequisite: PSYC 1301. F

PSYC 3321 Abnormal Psychology (3)
Variables involved in the development, maintenance and treatment of a variety of behavior disorders. Prerequisite: PSYC 1301. FS

PSYC 3322 Theories of Personality (3)
A survey of the theoretical views of Freud, Jung, Rogers, Skinner and various contemporary writers. Prerequisite: PSYC 1301. S

PSYC 3341 Child/Adolescent Psychology (3)
Developmental aspects of physical, mental, social and emotional growth from prenatal through adolescent periods. Recommended: PSYC 1301. FS

PSYC 3343 Adult Development and Aging (3)
Personality, cognitive, social, emotional and biological processes involved in development from young adulthood through old age. Prerequisite: PSYC 1301. S

PSYC 3386 Human Sexuality (3)
This course is designed to study the social nature of sexual expression. It examines the concepts that help frame questions about a wide range of sexual behaviors, attitudes and ideals.

PSYC 3391 Contract Study (3)
Students who are pursuing independent study or research as described in the contract study format. FS

PSYC 3403 Principles of Learning (4)
Major research results of classical and instrumental conditioning in animals and humans. Verbal learning, concept learning, problem solving and memory in humans will also be reviewed. Prerequisite: PSYC 1301. S

PSYC 3404 Experimental Psychology (4)
Introduction to the planning and execution of psychological research. Prerequisites: PSYC 1301, 3301.FS

PSYC 4302 History and Systems of Psychology (3)
Major factors affecting the development of psychology as science of behavior, with emphasis upon philosophical roots of major psychological concepts. Prerequisite: PSYC 1301. F

PSYC 4304 Physiological Psychology (3)
Neuropysiology and neuroanatomy. Variables that contribute to behavioral effects in the areas of sensation, perception, motivation and learning. Prerequisite: PSYC 1301. S

PSYC 4305 Drugs and Behavior (3)
Pharmalogic basis of psychotropic drugs and their associated abuses. Theories of cause and treatment of abusers are reviewed. Prerequisite: PSYC 1301. Summer03, Summer04

PSYC 4306 Industrial and Organizational Psychology (3)
Applications of psychological principles to industrial problems such as personnel selection and appraisal, employee motivation and satisfaction, and the influence of organizations on behavior. Summer03, Summer04

PSYC 4307 Health Psychology (3)
Examination of the role of behavioral science knowledge and techniques in understanding, assessing, testing and preventing medical-psychological and social problems. Prerequisite: PSYC 1301 or approval of Instructor. F

PSYC 4308 Introduction to Counseling (3)
An introduction to counseling skills and practices in psychology. Prerequisite: PSYC 1301. S
PSYC 4311 Cognitive Psychology (3)
Research and theories of cognitive processes, including concept learning, problem solving, memory, attention, and language development and maintenance. Prerequisite: PSYC 1301. F

PSYC 4312 Sensation and Perception (3)
Study of the structures and functions of the sensory modalities within the environmental context, emphasizing perceptual issues and psychophysics. Prerequisite: PSYC 1301, 3301; BIOL 1406. F

PSYC 4320 Psychology of Sport (3)
Concepts in psychology as applied to an individual’s involvement in sport and other forms of competitive physical activity. Emphasis on motivation, stress management, personality theory, performance enhancement and group dynamics. F

PSYC 4341 The Exceptional Child (3)
Theories and research in fields of biology and psychology concerning exceptional children, emphasizing mentally retarded, emotionally disturbed and mentally gifted. Same as EDUC 3352. F,S

PSYC 4345 Language Development In Young Children (3)
Nature of language and the acquisition of language by the young child. Includes environmental influences and contingent effects on socialization, cognition and achievement. Same as EDUC 4313. F

PSYC 4351 Tests and Measurement (3)
Major personality and intelligence tests, emphasis upon their construction, administration, scoring and interpretation. Prerequisites: PSYC 1301, 3301. S

PSYC 4371 Motivation (3)
Theories and experimental research concerning drives, needs and preferences as proposed by scientists studying personality, learning and physiology. Prerequisite: PSYC 1301. S

PSYC 4375 Psychology and Law (3)
Examines psychological theories relevant to the law and other forensic activities and their use in society. Prerequisite: PSYC 1301. S

PSYC 4381 Psychology of Women (3)
Survey of critical issues in social relations, mental health, and legal matters involving women. Includes analysis of innate and environmental determinants of sex differences. Prerequisite: PSYC 1301. F

PSYC 4389 Selected Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. May be acceptable for graduate credit. FS

PSYC 4393 Independent Research In Psychology (3)
Study of research under supervision of a member of the faculty. Students wishing to enroll should prepare a short plan for this coursework. Prerequisites: Senior standing and PSYC 3404. FS

† Course fulfills general education requirements.

Linda M. Montgomery, PhD
Graduate Program Head for Clinical Psychology
Associate Professor of Psychology

Dr. Montgomery is a clinical psychologist and teaches both undergraduate and graduate psychology courses. Her research interests include the study of legal and ethical issues faced by mental health professionals and violence in the family. She is editor for the Journal of the Texas Association for Marriage and Family Therapy and serves as director of the Permian Basin Critical Incident Stress Management Team. She has published in the Journal of Abnormal Psychology, the Journal of Consulting and Clinical Psychology and the Journal of Marital and Family Therapy.
DEGREE PLAN: BA IN PSYCHOLOGY

GENERAL EDUCATION REQUIREMENTS (44 credits):*

- English Composition, 6 credits (2 courses) 1301 & 1302
- Literature, 3 credits (1 course) 2322, 2323, 2327, 2328
- U.S. History, 6 credits (2 courses) 1301, 1302 recommended
- U.S. and State Government, 6 credits (2 courses) 2301, 2302
- BIOL 1306/1106 and second Life Science or Physical Science
- Mathematics (college algebra or above), 3 credits (1 course)
- Mathematics (computing, logic, math, statistics), 3 credits (1 course)
- Communication, 3 credits (1 course)
- Visual and Performing Arts, 3 credits (1 course)
- Social Science, 3 credits (1 course) (other than Psychology)

*FROM LIST OF APPROVED GENERAL EDUCATION COURSES
**PSYC 3301, Introductory Statistics, will count for the second math course.

MINOR (if not seeking teacher certification):
A minimum of 18 credits is required for the minor chosen in consultation with the major advisor. At least 12 hours must be junior/senior level.

Courses Taken (number & title): GRADE CREDIT HOUR
1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 

NOTES ON GRADUATING:
1. Read the U. T. Permian Basin catalog and be familiar with the University’s requirements for the B.A. degree. It is the student’s responsibility to read the catalog and be familiar with and fulfill all the requirements for the B.A. degree.
2. Complete at least 120 semester credit hours for the B.A. degree.
3. At least 54 credits must be at the junior or senior level. At least 30 of these must be completed at U. T. Permian Basin.
4. Students majoring in Psychology seeking secondary teacher certification which thus fulfills the minor requirement must complete a minimum of 24 credits in their second teaching field.
5. Obtain at least a C grade in all General Education, minor and Psychology courses counting to the minimum course requirements. Maintain at least a grade point average of 2.0 or C in all courses applicable toward the B.A. degree.

PSYCHOLOGY REQUIREMENTS: (A minimum of 36 credits in of which 30 sch must be upper level and cannot exceed 45 hours)

A. REQUIRED CORE, 12-13 credits minimum (4 courses):
- PSYC 1301, Introduction to Psychology
- PSYC 3301, Introductory Statistics (take as soon as possible)
- PSYC 3404, Experimental Psychology (PSYC 3301 prereq)
- PSYC 4393, Independent Research in Psychology (Senior standing and PSYC 3301 and 3404 prerequisites)

B. REQUIRED COURSES WITHIN PAIRS OF COURSES, 15-16 credits (5 courses). Each student is required to take at least one course from five of the following six pairs of courses. (PSYC 1301 is a prerequisite for all upper level PSYC courses):
- PSYC 3403, Principles of Learning, AND/OR
- PSYC 4311, Cognitive Psychology
- PSYC 3311, Social Psychology, AND/OR
- PSYC 4306 Industrial/Organizational Psychology
- PSYC 3321, Abnormal Psychology, AND/OR
- PSYC 4351, Tests and Measurement (PSYC 3301 prereq)
- PSYC 3341, Child/Adolescent Psychology, AND/OR
- PSYC 3343, Adult Development and Aging
- PSYC 4302, History and Systems of Psychology, AND/OR
- PSYC 3322 Theories of Personality
- PSYC 4304, Physiological Psychology, AND/OR
- PSYC 4312, Sensation and Perception (PSYC 3301 prereq)

C. ELECTIVE PSYCHOLOGY COURSES, 9 credits (3 courses)
If the student completes extra courses under B above, then the extra courses may be counted as an elective under C.
- PSYC 3386 Human Sexuality
- PSYC 4305 Drugs and Behavior
- PSYC 4307 Health Psychology
- PSYC 4320 Psychology of Sport
- PSYC 4341 The Exceptional Child
- PSYC 4345 Language Development in Young Children
- PSYC 4371 Motivation
- PSYC 4381 Psychology of Women
- PSYC 4389 Selected Topics, title:

Only courses with PSYC prefixes are counted toward the major. Sequencing is not necessary except where prerequisites apply. Sophomores, juniors and seniors may enroll in any 3000 and 4000 course if the prerequisite has been taken.

To plan your long-term schedule it will be beneficial to know that PSYC 1301, 3301, 3404 and 4393 are taught each Fall and Spring and some Summers. The members of most of the six pairs of required courses under B are offered in such a fashion that one member of each pair is offered each Fall and Spring semester. If one member of the pair is taught in the Fall, the other member of the pair tends to be taught in the Spring.

Students majoring in Psychology who plan to pursue advanced study in psychology should make a plan with an advisor and are encouraged to select PSYC 3403, 3404, 3311, 3321, 3341, and 3322 from the pairs above.

UTPB 2003–2005 Undergraduate Catalog 227
Social Work

Administered by the Department of Behavioral Science within the College of Arts and Sciences, the Bachelor of Social Work (BSW) is a new degree program approved by the Texas Higher Education Coordinating Board in spring 2003. Although some courses in Social Work will be offered each fall and spring semester, the full implementation of the program will not begin until fall 2004. The program as described below is subject to modification as the program moves through the CSWE accreditation process. CSWE accreditation is being sought for this new program. For more information, consult the academic counselor for the College of Arts and Sciences.

The Bachelor of Social Work (BSW) program is designed to provide training in applied social work that prepares graduates in general practice for entry level social work practice or for admission to a graduate program of social work. Generalist practice knowledge and skills include interviewing, assessment, case management, program planning/administration/evaluation, ethical standards, and issues relating to culturally and ethnically diverse populations. With the common body of the profession’s knowledge, values and skills, graduates of the proposed program will be prepared for work in a variety of public and private service settings, for example: in hospitals; in long-term care facilities; in mental health clinics; family service agencies; Texas regulatory agencies for children, handicapped persons and the elderly; in schools helping children, parents and teachers deal more effectively with a variety of issues; in police and sheriff’s departments with a range of problems; and in a wide variety of other state, community and nonprofit and for profit agencies.

General Education

Complete the General Education Requirements section of this catalog. As part of the General Education Requirements, the BSW requires the inclusion of the following specified courses:

1. To fulfill the Physical and Life Science requirement, select both courses:
   - BIOL 1306/1106, General Biology I with lab
   - BIOL 1307/1107, General Biology II with lab

2. To fulfill the second course in the Mathematics requirement, select either:
   - PSYC 3301, Introduction to Statistics
   - or SOCI 3317, Introductory Statistics

3. To fulfill the Social Science requirement, select either:
   - PSYC 1301, Introduction to Psychology
   - or SOCI 1301, Introduction to Sociology

In addition, the major in Social Work requires an additional Social Science course, the course that was not used to fulfill the Social Science requirement:

- PSYC 1301, Introductory Psychology
- or SOCI 1301, Introduction to Sociology

Computer Use

All Social Work majors must demonstrate a basic use of computing through the completion of PSYC 3301 or SOCI 3317.

Admission to the BSW Program

The implementation of the BSW is tentatively set for fall 2004. Admission to the proposed BSW program shall consist of two stages: (1) the Pre-Social Work major; and (2) the Social Work major.

Stage 1, the Pre-Social Work Major. Any student may declare a Pre-Social Work major. Students will remain in the Pre-Social Work status until they meet the requirements for acceptance into the social work major. This policy applies to new freshmen, transfer students, and students who desire to change their major to Social Work.

To be eligible to apply for Stage 2, the Social Work major, students must meet the following course, grade and semester credit hour criteria in the Pre-Social Work stage:

1. Attain a minimum 2.25 overall GPA and a minimum 2.25 GPA in Social Work (SOWK) and supportive Behavioral and Social Science courses.

2. Have completed SOWK 1310, SOWK 2320, and SOWK 2341 with grades of C or higher.

3. Have completed PSYC 1301 and SOCI 1301 with grades of C or higher.
4. Have completed the general education biology with lab two-course sequence requirement (8 credit hours) with a grade of C or higher.

5. Have completed ENGL 1301 and ENGL 1302 with grades of C or higher.

6. Have completed at least 3 semester credit hours of the 6 credit hour general education math requirement with a grade of C or higher.

7. Have 9 or fewer credit hours of general education, 44 semester credit hour core to complete.

8. Have completed at least 45 semester credit hours.

Students who have not been admitted to the major may not take upper-level (junior and senior level) Social Work courses.

**Stage 2, the Social Work Major**. Admission into Stage 2 requires that the student:

1. Complete the course and grade requirements specified as a Pre-Social Work major.

2. Submit a formal application for admission.

Applicants will be screened by the Social Work Admissions & Retention Committee. Three possible decisions are: (1) admission; (2) conditional admission; and (3) denied admission.

Upon admission into Stage 2 of the proposed BSW program, a student's formal academic major will be converted administratively from Pre-Social Work to Social Work.

Students who have completed SOWK courses at other institutions must complete at least 9 credit hours of practice methods courses and 12 credit hours of field practicum at U. T. Permian Basin. The Program Director will evaluate the transferability of SOWK courses elsewhere and determine which are acceptable for transfer and credit as required professional social work courses. Only social work courses taken from an accredited BSW program will be accepted as equivalent for professional social work courses, where program accreditation is through CSWE.

**Major Requirements**

The proposed BSW degree requires a minimum of 124 semester credit hours as specified below, with a minimum of 54 credit hours taken at the junior and senior levels (3000/4000 number courses). The major in Social Work does not require the student to have a minor. The course requirements in addition to the general education core and core extension are:

1. Behavioral Science Foundation Course, 9 Credits
   - PSYC 3321, Abnormal Psychology
   - PSYC 3341, Child and Adolescent Psychology
   - SOCI 3345, Race, Gender, Ethnicity and Social Change

2. Social Work Prerequisite Course, 3 Credits
   - SOWK 1310, Introduction to Social Work

3. Social Work Core Courses, 36 Credits
   - SOWK 2320, Social Work Policies and Issues I
   - SOWK 2341, Human Behavior and Social Environment I
   - SOWK 3320, Social Work Policies and Issues II
   - SOWK 3330, Research Methods in Social Work
   - SOWK 3341, Human Behavior and Social Environment II
   - SOWK 3355, Generalist Social Work Practice I
   - SOWK 3356, Generalist Social Work Practice II
   - SOWK 4280, Field Practicum I Seminar
   - SOWK 4281, Field Practicum II Seminar
   - SOWK 4370, Generalist Social Work Practice III
   - SOWK 4480, Field Practicum I
   - SOWK 4481, Field Practicum II

4. Prescribed Electives, 24 credits as follows:
   a. Behavioral Science Electives, 12 Credits. Select four courses from the menu below:
      - CRIM 4332, Theories of Criminal Behavior
      - CRIM 3365, Juvenile Delinquency and Justice
      - KINE 1301, Concepts in Fitness and Health
      - LEAD 4351, Leadership in the Non-profit Sector

UTPB 2003-2005 Undergraduate Catalog 229
b. Social Work Electives, 9 Credits. Select three courses from the menu below:
- SOWK 3343, Adult Development and Aging
- SOWK 3347, Rural Sociology
- SOWK 3390, The Family
- SOWK 4305, Drugs and Behavior
- SOWK 4321, Social Work Intervention: Marriage and Family
- SOWK 4322, Social Work Intervention: The Individual

c. Free Electives, 4-6 hours. Students must select upper level credits from courses outside of SOWK and Behavioral Sciences.

Internship

The program includes 12 hours of field practice experience. This will be satisfied by two SOWK Field Practicum internships taken in the senior year, SOWK 4480/4280 and SOWK 4481/4281. Enrolled students will work in a social service delivery agency under the supervision of a qualified social worker. Social Work faculty will provide faculty liaison services to assure that educational objectives are met. Students who have completed all required courses for the BSW, excluding SOWK 4480/4280 and SOWK 4481/4281, and who have met all the requirements of the general education core, must apply for internship. Application for internship is made with the Director of Field Education.

Course Listing

SOWK 1310 Introduction to Social Work (3)
This course introduces students to the social welfare institutions in the United States with an emphasis on its mission, philosophy, ethics, values, and ethno-cultural perspectives. The development of social work and the role of social workers in social welfare services will be examined.

SOWK 2320 Social Work Policies and Issues I (3)
Examination of the development and implementation of social welfare and the social work profession. Particular emphasis will be placed on the key social policy areas including income maintenance, public assistance, healthcare policy, housing, child welfare and diverse populations at risk. Prerequisite: SOWK 1310.

SOWK 2341 Human Behavior and Social Environment I (3)
The study of the developmental stages of the life cycle with emphasis on individuals, groups, and families. Biological, social, psychological and cultural systems are examined and their influence on human behavior and interrelationships between persons. Prerequisite: SOWK 2310.

SOWK 3320 Social Work Policies and Issues II (3)
An analysis of current major issues and problems in the formulation of social welfare policies on the local, state, and federal levels in the U. S. Issues include those revolving around Social Security, health, education, public welfare and income maintenance, immigration, and international agreements will be highlighted. Application of strategies for productive change will also be examined. Prerequisites: SOWK 2320, PLSC 2301 and PLSC 2302.

SOWK 3330 Research Methods in Social Work (3)**
This course provides an overview of a scientific, analytic approach to build the practice knowledge base and for evaluating service delivery in all areas of intervention. The use of research findings, critical thinking and writing skills will be emphasized. Prerequisite: PSYC 3301 or SOCI 3317.

SOWK 3341 Human Behavior and Social Environment II (3)
The study of the various theoretical models by which to view how groups, communities, and organizations interface and interact with the social environment. Emphasis is on the concepts of poverty, crisis, coping and adaptation, particularly as these influence social welfare policies and/or affect the delivery of social services to impoverished populations. For Social Work majors only. Prerequisite: SOWK 1310.

SOWK 3343 Adult Development and Aging (3)
Personality, cognitive, social, emotional and biological processes involved in development from young adulthood through old age. Prerequisites: Junior standing, PSYC 1301 and SOCI 1301.
SOWK 3347 Rural Sociology (3)
Analyzes the rural aspects of population, stratification, social change and the conditions under which persons live and work. Rural social and community organization, agricultural influences, poverty programs and their influences, and technological advances will also be examined. Prerequisite: Junior standing.

SOWK 3355 Generalist Social Work Practice I (3)
This is the first of three generalist practice courses designed to provide entry-level theory, knowledge, research, values, and skills for generalist social work practice with individuals. Data collection, assessment, problem solving, professional relationships, ethics, intervention, planning/implementation, and evaluation are covered. An ethno-cultural perspective is emphasized. For Social Work majors only. Prerequisite: SOWK 2341.

SOWK 3356 Generalist Social Work Practice II (3)
This is the second of three generalist practice courses designed to provide entry-level theory, knowledge, including data collection, assessment, intervention planning, and evaluation for generalist social work practice with groups and families. This course continues to build on the problem-solving model, intervention methods, and planning introduced in Social Work 3355. An ethno-cultural perspective is emphasized. For Social Work majors only. Prerequisites: SOWK 2341, SOWK 3320, SOWK 3330, SOWK 3341 and SOWK 3355.

SOWK 3390 The Family (3)
A historical and comparative approach in the examination of changing structure and functions of the family institution. The course provides a broad-based but intensive understanding of the family. Issues include the effect of economic, demographic and cultural changes on male-female relationships, sex roles, marriage and child care. Prerequisites: Junior standing, PSYC 1301 and SOCI 1301. [Cross-listed with SOCI 3390, The Family.]

SOWK 4280 Field Practicum I Seminar (2)
A capstone seminar that enables students to integrate the theory, knowledge, values, skills, ethics, and ethno-cultural competence of generalist social work practice. Prerequisites: SOWK 3320, SOWK 3330, SOWK 3355 and SOWK 3356. Co-requisite: SOWK 4480.

SOWK 4281 Field Practicum II Seminar (2)
A capstone seminar that enables students to integrate the theory, knowledge, values, skills, ethics, and ethno-cultural competence of generalist social work practice. Prerequisites: SOWK 4480 and SOWK 4281. Co-requisite: SOWK 4481.

SOWK 4305 Drugs and Behavior (3)
Pharmacologic basis of psychotropic drugs and their associated abuses. Theories of cause and treatment of abusers are reviewed. Prerequisites: Junior standing, PSYC 1301 and SOCI 1301.

SOWK 4321 Social Work Intervention: Marriage and Family (3)
Opportunity to learn theory and skills required to implement change in marriages and families. Emphasis is on interactional processes between the social worker and family members. Prerequisites: Junior standing and SOCI 1301.

SOWK 4322 Social Work Intervention: The Individual (3)
Theory and skills required to implement change in an individual. Emphasis is on interactional processes between social worker and client. Prerequisites: Junior standing and SOCI 1301.

SOWK 4370 Generalist Social Work Practice III (3)
This is the third of three generalist practice courses designed to provide entry-level theory and knowledge related to data collection, assessment and intervention for generalist social work practice with organizations and communities. Special emphasis will be on identifying and developing formal and informal support and self-help systems. For Social Work majors only. Prerequisites: SOWK 4280 and SOWK 4480.

SOWK 4480 Field Practicum I (4)
This is the first of two field courses in a supervised community social service agency consisting of a minimum of 240 hours (16 hours per week for 15 weeks of the semester). A weekly seminar (SOWK 4280) accompanies this course which enables the student to integrate and apply classroom learning (theory and practice) in the field setting. An ethno-cultural practice perspective is emphasized. For Social Work majors only. Prerequisites: Formal admission to field placement, SOWK 3330, SOWK 3355 and SOWK 3356. Co-requisite: SOWK 4280. Course fee required.

SOWK 4481 Field Practicum II (4)
The second course of the field learning experience in a community social service agency consisting of a minimum of 240 hours (16 hours per week for 15 weeks of the semester). A weekly seminar (SOWK 4281) accompanies this course which enables the student to integrate and apply classroom learning (theory and practice) in the field setting. An ethno-cultural practice perspective is emphasized. For Social Work majors only. Prerequisites: SOWK 3355, SOWK 3356, SOWK 4480/4280. Co-requisite: SOWK 4281. Course fee required.
DEGREE PLAN: BSW IN SOCIAL WORK

GENERAL EDUCATION REQUIREMENTS (44 sch):

___ English Composition, 1301 & 1302
___ Sophomore Literature, 2322, 2323, 2327, 2328
___ U. S. History, 1301 & 1302
___ U.S. and State Government, 2301 & 2302
___ Visual/Performing Arts (3 sch)
___ BIOL 1306/1106 and 1307/1107 (8 sch)
___ PSYC 1301 and SOCI 1301
___ Speech 1315 (3 sch)
___ Mathematics (3 sch)
___ PSYC 3301 or SOCI 3317 (3 sch)

MAJOR REQUIREMENTS:
The proposed BSW degree requires a minimum of 124 sch as specified below, with a minimum of 54 sch taken at the junior and senior levels (3000/4000). THE BSW MAJOR DOES NOT REQUIRE A MINOR. Admission to the proposed BSW program shall consist of two stages: (1) the Pre-Social Work major; and (2) the Social Work major. To be eligible for Stage 2, the Pre-Social Work major must meet the following course, grade and semester credit hour criteria.

STAGE 1: PRE-SOCIAL WORK STAGE:
1. Attain a minimum 2.25 overall GPA and a minimum 2.25 GPA in Social Work (SOWK) and supportive Psychology and Sociology courses.
2. Have completed SOWK 1310, SOWK 2320, and SOWK 2341 with grades of C or higher.
3. Have completed PSYC 1301 and SOCI 1301 with grades of C or higher.
4. Have completed the general education biology with lab two-course sequence requirement with a grade of C or higher.
5. Have completed ENGL 1301 and 1302 with grades of C or higher.
6. Have completed at least 3 sch of the 6 sch general education math requirement with a grade of C or higher.
7. Have 9 or fewer credit hours of general education 44 sch core to complete.
8. Have completed at least 45 sch.

STAGE 2: THE SOCIAL WORK STAGE:
Admission to Stage 2 requires that the student:
1. Complete the course and grade requirements specified as a Pre-Social Work major.
2. Submit a formal application for admission.

A. Behavioral Science Foundation (9 sch)
___ PSYC 3321, Abnormal Psychology
___ PSYC 3341, Child and Adolescent Psychology
___ SOCI 3345, Race, Gender, Ethnicity & Social Change

B. Social Work Prerequisite (3 sch)
___ SOWK 1310, Introduction to Social Work

C. Social Work Core (36 sch)
___ SOWK 2320, Social Work Policies and Issues I
___ SOWK 2341, Human Behavior & Social Environment I
___ SOWK 3320, Social Work Policies and Issues II
___ SOWK 3330, Research Methods in Social Work
___ SOWK 3341, Human Behavior & Social Environment II
___ SOWK 3355, Generalist Social Work Practice I
___ SOWK 3356, Generalist Social Work Practice II
___ SOWK 4280, Field Practicum I Seminar
___ SOWK 4281, Field Practicum II Seminar
___ SOWK 4370, Generalist Social Work Practice III
___ SOWK 4380, Field Practicum I
___ SOWK 4481, Field Practicum II

D. Prescribed Electives (24 sch)

1. Behavioral Science Electives (12 sch) from list below:
___ CRIM 4332, Theories of Criminal Behavior
___ CRIM 3365, Juvenile Delinquency and Justice
___ KINE 1301, Concepts in Fitness and Health
___ LEAD 4351, Leadership in the Non-profit Sector
___ LEAD 4370, Conflict Resolution
___ PLSC 4345, Public Policy
___ PLSC 4347, Public Administration
___ PSYC 3311, Social Psychology
___ PSYC 3322, Theories of Personality
___ SOCI 4320, Social Stratification
___ SOCI 4325, Globalization

2. Social Work Electives (9 sch) from list below:
___ SOWK 3343, Adult Development and Aging
___ SOWK 3347, Rural Sociology
___ SOWK 3390, The Family
___ SOWK 4305, Drugs and Behavior
___ SOWK 4321, Social Work Intervention: Marriage and Family
___ SOWK 4322, Social Work Intervention: The Individual

3. Free Electives (4-6 sch):
Students must select upper level credits from courses outside of SOWK, Psychology, and Sociology

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___
___

232 UTPB 2003–2005 Undergraduate Catalog
Sociology

Administered by the Department of Behavioral Science within the College of Arts and Sciences.

Sociology is the scientific study of human behavior within a society. It emphasizes human interaction within group settings, diversity of cultures and societies, factors that influence social behavior within institutions, formal and informal organizations, and various social groups.

The sociology program at U. T. Permian is committed to the personal, analytical and professional development of its students. The faculty is committed to developing the student's sensitivity to the human and social condition, coupled with an understanding and ability to participate constructively in the improvement of both. Also practical applications of sociological knowledge are emphasized.

Sociology offers the following career fields: secondary social science teaching, industrial sociology, voluntary organizations, private and government foundations, human resource management, consulting, social research, substance abuse counseling, aging, health and illness, law enforcement, ministry, consumer behavior, diversity training, social work and other related social service organizations.

Students will take course work in sociology or related cross-listed courses. The sociology advisor will assist in developing a degree plan that best suits the needs of the individual student.

Degree Requirements

The total minimum credits required for a B. A. in Sociology is 120.

General Education 44 Credits

Students must complete the requirements shown in the General Education Requirements section of this catalog on pages 51-52. The Social Science requirement will be met by any social science course other than SOCI 1301.

Computer Use

All Sociology majors must demonstrate a basic use of computing through the completion of SOCI 4303 and SOCI 4399.

Sociology Major Requirements 33 Credits

Requirements for a Bachelor of Arts degree are 33 semester credit hours. The following courses are specifically required for the major:

- SOCI 1301   Introduction to Sociology
- SOCI 3317   Introductory Statistics
- SOCI 4303   Social Research Methods
- SOCI 4327   Sociology Theory
- SOCI 4399   Senior Research Seminar

The maximum number of Sociology credits in the major is 47. Credits beyond this maximum will not be counted toward the 120 minimum hours necessary to graduate. All students must complete SOCI 1301 and 12 semester credits of core courses followed by 18 semester credits from a selected list of sociology course work.

A 12 hour substance abuse sequence is available for students who seek careers in areas involving substance abuse issues. Community college graduates, who have completed a chemical dependency program, may continue their studies at UTPB. The following courses comprise the sequence: SOCI 3312 Sociology of Substance Abuse and Addiction; PSYC 4305 Drugs and Behavior; SOCI 4370 Family Dysfunction and Substance Abuse; SOCI 4348 Ethnicity and Substance Abuse. Students who complete the sequence in substance abuse and pass the exam to be certified as a Sociological Practitioner are eligible for a substance abuse endorsement.
Sociology Minor Requirements

Requirements for a minor in Sociology are 18 semester credit hours of which 12 credits must be junior or senior level courses. SOCI 1301, Introduction to Sociology is required.

Course Listing

SOCI 1301 Introduction to Sociology (3)
Students are introduced to the basic concepts and theories used to study the nature of social processes and the structure of society. F/S

SOCI 2389 Multi Listing Course (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

SOCI 3312 Sociology of Substance Abuse and Addiction (3)
An examination of the social context of substance abuse with emphasis on the social and cultural factors and institutions that impact on the addiction process. Prerequisite: SOCI 1301. S

SOCI 3317 Introductory Statistics (3)
Measures of central tendency and dispersion, elementary probability theory, the binomial and chi-square distribution, tests of hypotheses and parameter estimation and simple correlation and regression. Emphasis is on the application of statistical methods to research in the social sciences. Prerequisite: must have fulfilled first general education mathematics requirement. F

SOCI 3345 Race, Gender, Ethnicity and Social Change (3)
Analyzes the interrelationship of race, class and gender and how these structures have shaped the experience of all people in the United States. The “matrix of domination” approach is used to analyze the multiple, interlocking levels of domination. Emphasis is placed on social movements and change. Prerequisite: SOCI 1301. S

SOCI 3347 Sociology of Work (3)
Analyzes dramatic changes occurring in the work lives of Americans and considers the future of American workers within the global economy. Explores emerging labor markets and technology in shaping contemporary American work settings. Prerequisite: Sociology 1301. F

SOCI 3349 The Child in Society (3)
This course examines children and childhood in a cross-cultural perspective. Special attention is given to the position of children in diverse U.S. family structures and in the educational system. Problems related to adoption, divorce, and the criminal justice system are examined. Prerequisite: SOCI 1301. F

SOCI 3350 Social Deviance (3)
This course focuses on the study of societal definitions and reactions to deviant acts. These often arise in relationship to ethnicity, social class, race, gender and age within legal institutions. Theories of deviance and special case studies are examined. Prerequisite: SOCI 1301. S

SOCI 3365 Juvenile Delinquency and Justice (3)
A study of the juvenile justice system, theories of causation, the distribution and frequency of delinquency, correctional treatment, and prevention programs in modern society. Prerequisite: SOCI 1301. F

SOCI 3380 Social Work I-Introduction to Social Work (3)
History of social work and its knowledge base and values; professionalization of social work; social service clientele and issues confronting the profession. F

SOCI 3382 Social Work II-Social Welfare as a Social Institution (3)
The welfare system and the function of public and private agencies; the social security act; influencing social policy and legislation; issues in social reform; and gaps in social welfare. S

SOCI 3385 Social Welfare Programs, Policies and Issues (3)
The development and implementation of service delivery systems and policy analysis. The effects and influence of policy on practice and planning decisions are examined. S

SOCI 3386 Human Sexuality (3)
This course is designed to study the social nature of sexual expression. It examines the concepts that help frame questions about a wide range of sexual behaviors, attitudes and ideals. S
SOCI 3389 Multi Listing Course (3)
Undergraduate courses which will be offered only once, will be offered infrequently or which are being developed before a regular listing in the catalog.

SOCI 3390 The Family (3)
A historical and comparative approach in the examination of changing structure and functions of the family institution. The course provides a broad-based but intensive understanding of the family. Issues include the effect of economic, demographic and cultural changes on male-female relationships, sex roles, marriage and child care. Prerequisite: SOCI 1301. F

SOCI 3391 Contract Study (3)
Students who are pursuing independent study or research as described in the contract study format.

SOCI 4303 Social Research Methods (3)
The course provides a comprehensive overview of social science research methods, with emphasis given to the concepts used in the conduct of research, measurement strategies, and research designs. Required for all sociology majors. Prerequisite: SOCI 3317 and at least one additional course in sociology. S

SOCI 4315 Sociology of Organizations (3)
The focus of the course is on the role and evolution of organizations in social life. Among the topics of analysis are the conditions under which organizations are created, grow, establish relations with other aspects of their environments, adopt tactics for survival, and how they fail. Prerequisite: SOCI 1301. F

SOCI 4317 Women’s Studies (3)
This course introduces students to the range of ways in which societies are organized according to gender. It critically examines and analyzes the complex and multiple questions related to women’s lives taking into consideration social, economic, political, psychological and historical realities. To be able to achieve a holistic analysis, men’s experiences are fully integrated in the exploration of issues. Prerequisite: SOCI 1301. S

SOCI 4320 Social Stratification (3)
Focuses on theories of social inequality as applied to the exercise of power and large-scale social control. Issues of class, race and gender and other inequalities are considered in the U.S. and globally. Prerequisite: SOCI 1301. F

SOCI 4321 Social Work Intervention: Marriage and Family (3)
Opportunity to learn theory and skills required to implement change in marriages and families. Emphasis is on interactional processes between the social worker and family members. S

SOCI 4322 Social Work Intervention: The Individual (3)
Theory and skills required to implement change in an individual. Emphasis is on interactional processes between social worker and client. F

SOCI 4325 Globalization (3)
This course examines and analyzes the transformation of post colonial societies through capitalist, socialist or other forms of development in a political economy context. It explores the international division of labor, labor migration, state formation, among other issues in the U.S. and what has been called the “Third World.” Prerequisite: SOCI 1301. F

SOCI 4327 Sociological Theory (3)
This course involves the study of the development of sociological thought and perspectives through the examination of the ideas of classical and contemporary theorists; these may include Marx, Durkheim, Du Bois, Marx, Parsons, Gramsci, or Lukac among others. Substantive theories of social organization are examined. Prerequisite: SOCI 1301 and at least two courses in sociology. F

SOCI 4333 Law and Society (3)
The relationship of law and society is studied through the history, philosophy and evolution of the law and legal institutions. Three major functions of law in modern society: social control, dispute resolution and social engineering are examined. Prerequisite: SOCI 1301. F

SOCI 4360 Social Gerontology (3)
Social influences on aging individuals. Examination of theories of aging and the life cycle; age status, age-sex roles, health community participation, family relations, work, leisure, retirement, housing and finance. F

SOCI 4362 Sociology of Health and Illness (3)
Social and cultural factors associated with the definition, occurrence, and experience of health and illness. An examination of the social determinants that affect the etiology and distribution of illness and the social organization of the medical profession and the hospital. S
SOCI 4370 Family Dysfunction and Substance Abuse (3)
The role of substance abuse in family violence, child rearing and marital discord. Various ways of intervening to moderate the effects of substance abuse in families will be discussed. Prerequisite: SOCI 1301. F

SOCI 4380 Urban Sociology (3)
This course deals with the social and ecological organization of cities. Emphasis is on the American city; settlement patterns, ethnic and racial groups and impact of urbanism on human development. It also examines cities, shantytowns, and informal economies internationally. Prerequisite: SOCI 1301. F

SOCI 4390 Selected Topics (3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. May be acceptable for graduate credit. F,S

SOCI 4391 Contract Study (3)
Advanced independent study or research (equivalent to senior-level course). These courses will not count for graduate credit. Prerequisite: Consent of the Instructor. F, S

SOCI 4392 Practicum (Variable credit 3-6)
A supervised field and academic experience in the practice of social work methods, knowledge and skills in a social service or related agency. Variable credit of 3 or 6 hours depending on the number of hours worked and the academic requirements as established by the instructor. Prerequisites: 12 hours upper division credit hours in Sociology and consent of the instructor. F, S

SOCI 4393 Internship in Applied Sociology (3)
A supervised program to utilize and develop sociological skills, as they apply to natural social settings. Students will be placed in a community organization or will assist in a non-academic research project. Prerequisite: Consent of the Instructor and junior or senior standing. F, S

SOCI 4394 Independent Research in Sociology (3)
Study and research under supervision of a member of the sociology faculty. Students wishing to enroll should prepare a short plan for this coursework and present it to the instructor at the beginning of the semester. F, S

SOCI 4399 Senior Research Seminar (3)
A scientific research study under the supervision of a member of the sociology faculty. The integration of theory and research is emphasized through basic or applied social research. Prerequisites: senior standing, SOCI 3317 and SOCI 4303. F, S

† Course fulfills general education requirements.

You too can have a great future....

Dr. Rudy Sanchez, Jr. was named the 2001 Distinguished Alumnus of UTPB. Dr. Sanchez is the executive vice president of human resources at The Dallas Market Center. He graduated in 1977 with a Bachelor's degree in psychology and a Master of Arts degree in behavioral science in 1978. He earned a Doctorate in education in 2001 from Nova Southeastern University and served in the United States Marines.
DEGREE PLAN: BA IN SOCIOLOGY

General Education Requirements (44 hours): (Please refer to the catalog for specific course choices to fill the requirements.)

- English Composition (6 hours) 1301 & 1302
- U.S. History (6 hours) 1301 & 1302 recommended
- U.S. and State Government (6 hours) 2301 & 2302
- Physical or Life Science (8 hours) any science
  - Literature (3 hours) at 2000 level
  - Mathematics (college algebra or above) 3 credits
  - Mathematics (computing, logic, math, statistics) 3 credits
  - Visual/Performing Arts (3 hours) 
  - Social Science (3 hours) other than SOCI 1301
  - Communication (3 hours)

MINOR
In general, the minor is 18sch with 12sch at the upper level. Please refer to the catalog for specific minor requirements.

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NOTES ON GRADUATING:
1. Read the U. T. Permian Basin catalog and be familiar with the University’s requirements for the B. A. degree, and the general education requirements for the B.A. degree. It is the student’s responsibility to read the catalog and be familiar with and fulfill all the requirements for the B.A. degree.
2. Complete at least 120 semester credit hours for the B. A. degree. At least 30 of these must be completed at U. T. Permian Basin.
3. At least 54 credits must be at the junior and senior level.
4. Complete at least 18 credits in a minor area: At least 12 of these 18 credits must be at the junior or senior level.
5. Obtain at least a C grade in all major courses. Maintain a GPA of 2.0 or “C” in all courses applicable toward the B. A. degree.
6. During the semester in which a student intends to graduate, a degree check & the appropriate forms must be submitted to the Academic Counselor. Check class schedule for dates.

SOCIOLOGY MAJOR: Sociology majors are required & expected to complete 33 sch in Sociology of which 15 sch must include the following list of required 5 core courses. The remaining 6 courses must be selected from the list below that.

CORE COURSES: (Fifteen credit hours)
- SOCI 1301 Introduction to Sociology
- SOCI 3317 Introduction to Statistics *
- SOCI 4303 Social Research Methods *
- SOCI 4327 Sociological Theory
- SOCI 4399 Senior Research Seminar *

*SOCI 3317; SOCI 4303; SOCI 4399 MUST BE TAKEN IN SEQUENCE SHOWN.

ADDITIONAL COURSES: Eighteen credit hours (6 courses) must be completed from the following courses
- SOCI 2389 Multi Listing Course
- SOCI 3312 Sociology of Substance Abuse and Addiction
- SOCI 3345 Race, Gender, Ethnicity and Social Change
- SOCI 3347 Sociology of Work
- SOCI 3349 The Child in Society
- SOCI 3350 Social Deviance
- SOCI 3365 Juvenile Delinquency and Justice
- SOCI 3386 Human Sexuality
- SOCI 3389 Multi Listing Course
- SOCI 3390 The Family
- SOCI 3391 Contract Study
- SOCI 4315 Sociology of Organizations
- SOCI 4317 Women’s Studies
- SOCI 4320 Social Stratification
- SOCI 4325 Globalization
- SOCI 4333 Law and Society
- SOCI 4360 Social Gerontology
- SOCI 4362 Sociology of Health and Illness
- SOCI 4370 Family Dysfunction and Substance Abuse
- SOCI 4380 Urban Sociology
- SOCI 4389 Selected Topics
- SOCI 4391 Contract Study
- SOCI 4393 Internship in Applied Sociology
- SOCI 4394 Independent Research in Sociology
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- SOCI
- SOCI

Social Work Courses may substitute for no more than 3 of the 6 Sociology elective courses listed above excluding core courses. However, social work courses may also be taken as free electives:
- SOCI 3380 Social Work I-Introduction to Social Work
- SOCI 3382 Social Work II- Social Welfare as a Social Institution
- SOCI 3385 Social Welfare Programs, Policies and Issues
- SOCI 4321 Social Work Intervention: Marriage and Family
- SOCI 4322 Social Work Intervention: The Individual
- SOCI 4392 Practicum
Spanish

Administered by the Department of Humanities and Fine Arts within the College of Arts and Sciences.

The Spanish major provides students with an opportunity to obtain the ability to communicate in Spanish and an understanding of the literatures and cultures of the Spanish-speaking world. Because it shares the Hispanic heritage of Texas and lies in close proximity to Latin American countries, U. T. Permian Basin offers the student of Spanish unique learning and cultural experiences as well as scores of career possibilities and opportunities. West Texas offers a living language and a cultural laboratory in which to study and work. The Spanish major can be elected by students wishing to pursue careers in business, education, science, social services, and translation.

Degree Requirements

The minimum total credits required for a B. A. in Spanish is **120**.

**General Education**  
**44 Credits**

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog.

**Computer Use**

All majors must demonstrate a basic use of computing through completion of COSC 1335 or a similar computer science course which requires the actual use of computers. COSC 1335 may be used to meet both this requirement and the second three-hour general education requirement in Mathematics.

**Spanish Major Requirements**  
**30 Credits**

A major in Spanish consists of a minimum of 30 credits at the 2000 level and above as follows:

1. 6 credits of sophomore-level Spanish language (SPAN 2311 and 2312)
2. 12 credits of upper-level Spanish language and linguistics (SPAN 3301, 3302, 3331, and 4331)
3. 3 credits of Hispanic Civilization (SPAN 3321)
4. 3 credits of Peninsular Spanish Literature (SPAN 4301 or 4302)
5. 3 credits of Spanish-American Literature (SPAN 4311 or 4312)
6. 3 credits additionally at the upper level, to be identified by an advisor in the Spanish program, according to the specific concentration of the student. For example, elementary bilingual education, secondary education with Spanish as the major subject area, linguistics and translation, or literature.

**Notes:** Students with native proficiency in Spanish or a background in high school Spanish language study may take the CLEP in Spanish and, if scores justify it, receive three or six hours of sophomore-level Spanish language credit.

SPAN 3301, Advanced Grammar and Syntax, is a gateway course to upper-level study in Spanish. SPAN 3301 is a required course for the Major and Minor in Spanish and a prerequisite for SPAN 3302, SPAN 3321, SPAN 4301, SPAN 4302, SPAN 4311, SPAN 4312, and SPAN 4331. All students must pass an entrance exam to be eligible to enroll in SPAN 3301.

Degree plans vary depending upon a student’s goals and preparation prior to enrolling at U.T. Permian Basin. Students should consult with their faculty advisor for specific degree planning.

**Minor in Spanish**  
**(18 Credits)**

The minor in Spanish consists of the following core courses: SPAN 2311, 2312, 3301, and 3331. In addition, students will elect to continue in either linguistics or literature. Students electing to continue in linguistics will take two (2) additional courses to be chosen from: SPAN 3311, 4331, 4364. Students electing to continue in literature will take two (2) additional courses to be chosen from: SPAN 3378, 4301, 4302, 4311, 4312, 4351, 4352, 4360.
**TEXES/ExCET Requirements**

Candidates for the TEXES/ExCET in Spanish must have completed the courses listed below (or equivalent courses). They must also pass the Texas Oral Proficiency Test (TOPT).

**Spanish:** SPAN 3301, 3302, 3331, and 4331; SPAN 3321; either SPAN 4301 or 4302; either SPAN 4311 or 4312; plus any other 4000-level Spanish course.

To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-4 or 4-8 must take at least 9 hours of math (may include statistics) at or above college-level algebra and at least 12 hours of science. They should plan accordingly when meeting general education and elective course requirements. Students seeking certification as a 4-8 Generalist must take at least 12 hours of math and 14-16 hours of science. (Students certifying to teach 4-8 Math or Science will have additional hours in their respective disciplines.)

**Course Listing**

SPAN 1300 Spanish Conversation I (3)
Basic practice in comprehension and production of the spoken language of Spanish.

SPAN 1411 A Beginning Course in Spanish I (4)
An introduction to the basic language skills—listening, speaking, reading, and writing—with emphasis on listening and speaking. Students will meet in the classroom three days per week and will attend the language laboratory one day per week. F03, F04

SPAN 1412 A Beginning Course in Spanish II (4)
A continuation of SPAN 1411. Prerequisite: SPAN 1411 or one year of high school Spanish. S04, S05

SPAN 2311 A Second Year Course in Spanish I (3)
Grammar, readings, cultural background, conversation, and composition. Prerequisite: SPAN 1411 and 1412, two years of high school Spanish, or the required score from the CLEP in Spanish. F03, F04

SPAN 2312 A Second Year Course in Spanish II (3)
A continuation of SPAN 2311. Prerequisite: SPAN 2311, three years of high school Spanish, or the required score from the CLEP in Spanish. S04, S05

SPAN 3301 Advanced Grammar and Syntax (3)
Analysis of more technical and advanced points of Spanish grammar and syntax with comparisons made to English. Prerequisite: Students with native proficiency in Spanish or a background in high school Spanish language study may take the CLEP in Spanish and, if scores justify it, receive three or six hours of sophomore-level Spanish language credit (SPAN 2311, 2312). However, all students must pass a placement exam to be eligible to enroll in SPAN 3301. F03, F04

SPAN 3302 Advanced Composition and Conversation (3)
Designed to improve written and oral Spanish. Prerequisite: SPAN 3301. S04, S05

SPAN 3311 Practical Spanish and Translation (3)
Analysis and application of Spanish Grammar for Translation with Practical approach to improving Spanish Morpho-Syntax rules for writing into English. Some basic principles of Sociolinguistics will also be presented. Prerequisite: SPAN 3301. S04, S05

SPAN 3321 Hispanic Civilization (3)
Currents and characteristics of Spanish culture and history as expressed through the centuries in literature, art, philosophy, and history. Prerequisite: SPAN 3301 or instructor’s approval. F03, F04

SPAN 3331 Spanish Conversation (3)
Study and practice of oral Spanish, stressing idiomatic expressions and providing students with the opportunity to improve their fluency. Pronunciation, comprehension and building vocabulary are also emphasized. Prerequisite: SPAN 2312. S04, S05

SPAN 3378 Hispanic Children’s Literature (3)
Study of Hispanic children’s literature including not only available texts but the oral tradition. Comparative literature orientation, emphasizing parallels with myths, fables and folk literature of other lands. Requires Spanish Proficiency. F04

SPAN 4301 Spanish Literature I (3)
Peninsular Spanish literature from the Medieval period to the 18th century. Prerequisite: SPAN 3301 or instructor’s approval. F03, F04
SPAN 4302 Spanish Literature II (3)
Peninsular Spanish literature from the 19th century to the present. Prerequisite: SPAN 3301 or instructor’s approval. S04, S05

SPAN 4311 Spanish-American Literature I (3)
Spanish-American literature from the Pre-Hispanic period through Romanticism. Prerequisite: SPAN 3301 or instructor’s approval. F03, F04

SPAN 4312 Spanish-American Literature II (3)
Spanish-American literature from Modernism to the present. Prerequisite: SPAN 3301 or instructor’s approval. S04, S05

SPAN 4331 Spanish Phonetics and Phonemics (3)
Spanish phonology with emphasis on oral drills; an introduction to elementary applied linguistics. Prerequisite: SPAN 3301. F03, S04, S05

SPAN 4351 Mexican Literature (3)
Survey of Mexican literature from pre-Hispanic times to present with emphasis on contemporary literary themes, movements, and genres. Prerequisite: SPAN 4301, 4302, 4311, or 4312 or instructor’s approval. S05

SPAN 4352 Mexican-American Literature (3)
Mexican-American literature in Spanish and English focusing on native authors, to understand realities and experiences of Mexican-American community. Prerequisite: SPAN 4301, 4302, 4311, or 4312 or instructor’s approval. F03, F04

SPAN 4360 Spanish Golden Age Literature (3)
This course will focus on the study and analysis of works from Spain’s celebrated Siglo de Oro. Special emphasis will be placed on drama. Prerequisite: SPAN 4301, 4302, 4311, or 4312 or instructor’s approval. SU04

SPAN 4364 Spanish Applied Linguistics (3)
The purpose of this course is to examine the linguistic and contrastive features which distinguish English and Spanish; analysis of grammatical, morphological, phonetical, and lexical features. Geared to facilitate linguistic competence for those teaching Spanish as a Second Language. Prerequisite: SPAN 3301. F04

SPAN 4389 Selected Topics (3)
Undergraduate courses which will be offered only once, will be offered infrequently, or are being developed before a regular listing in the catalog.

Rhina Toruño, PhD
Professor of Spanish & Kathryn Cosper Dunagan Fellow in Humanities
Dr. Toruño was inducted as the first female member (correspondent) of the Salvadoran Academy of Language, a branch of The Royal Academy of Spain. In addition to holding seats on several boards of directors for various journals, Dr. Toruño has a strong record of scholarship. She published two authoritative books on the work of Elena Garro, a leading twentieth-century Mexican author. Dr. Toruño has also published 43 referenced articles in scholarly journals in Latin American literature and French contemporary philosophy, including internet articles and proceedings from scholarly conferences. She has made 68 professional presentations, including four keynote/plenary conference speeches and has been invited to present lectures and seminars at both international and national conferences. She has three books in progress, all of which are likely to be published within the next twelve months.

Dr. Toruño has lectured in Europe, the United States, and Latin America in French, English and Spanish. She teaches both undergraduate and graduate courses in contemporary Spanish-American poetry and Latin American literature with an emphasis on Mexican and Central American Literature. Her biography is included in the Dictionary of American Scholars and Who’s Who in America, and she was voted “Woman of the Year 2000” by the American Biographical Institute Board of International Research.
DEGREE PLAN: BA IN SPANISH

General Education Requirements: Please refer to pages 51-52 of the catalog for specific courses that fill these requirements.

- English Composition (6 credits) 1301 & 1302
- Literature
- U.S. History (6 credits) 1301 & 1302 recommended
- U.S. State & Local Government (PLSC 2301 & 2302)
- Mathematics (6 credits)
- Physical and Biological Sciences (8 credits)
  - Visual and Performing Arts
  - Communication COMM 1315 or 1316
  - Social Science
  - Computer Science (COSC 1335 recommended)

MINOR: In general a minor is composed of 18 sch of which 12 sch must be taken at the upper level. For specific minor requirements please refer to the catalog.
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NOTES ON GRADUATING:
1. Read the U. T. Permian Basin catalog and be familiar with the University’s requirements for the B. A. degree, and the general education requirements for the B. A. degree. It is the student’s responsibility to read the catalog and be familiar with and fulfill all the requirements for the B. A. degree.
2. Complete at least 120 semester credit hours for the B. A. degree at least 30 of these must be completed at U. T. Permian Basin.
3. At least 54 credits must be at the junior and senior level.
4. Complete at least 18 credits in a minor area. At least 9 of these 18 credits must be at the junior or senior level.
5. Obtain at least a C grade in all major courses. Maintain a GPA of 2.0 or “C” in all courses applicable toward the B. A. Students seeking
6. No more than 47 hours of Spanish may be applied toward the 120 semester hour minimum required for a degree.

TEACHER CERTIFICATION must maintain a GPA of at least 2.75 in all courses.

SPANISH MAJOR: A major in Spanish consists of a minimum of 30 sch at the 2000 level and above.

A. Required Basic Courses (6 sch):
   __ SPAN 2311 A Second Year Course in Spanish I
   __ SPAN 2312 A Second Year Course in Spanish II

B. Advanced Courses (21 sch):
   __ SPAN 3301 Advanced Grammar and Syntax (3sch)
   __ SPAN 3302 Advanced Composition & Conversation (3sch)
   __ SPAN 3331 Spanish Conversation (3sch)
   __ SPAN 4331 Spanish Phonetics and Phonemics (3sch)
   __ SPAN 3321 Hispanic Civilization
   __ SPAN 4301 Spanish Lit I OR
      SPAN 4302 Spanish Lit II
   __ SPAN 4311 Span-Am Lit I OR
      SPAN 4312 Span-Am Lit II

C. Electives (minimum of 3 sch)
   __ SPAN 3311 Practical Spanish and Translation (3)
   __ SPAN 4351 Mexican Literature (3)
   __ SPAN 4352 Mexican-American Literature (3)
   __ SPAN 4360 Spanish Golden Age Literature (3)
   __ SPAN 4364 Spanish Applied Linguistics (3)
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UTPB 2003-2005 Undergraduate Catalog 241
Special Courses

Astronomy

ASTR 1301 Astronomy (3)
A descriptive survey of the solar system and galactic topics. Emphasis is on the celestial sphere, the earth’s motions, the sun, moon, planets, asteroids, comets, meteors, and meteorites.

Freshman Seminar

UNIV 1001 Freshman Seminar (1)
This course is designed to smooth the advance of students from high school to the university. This course, or its equivalent for the non-traditional student UNIV 1002, is required of all freshmen. No prerequisite.

UNIV 1002 Freshman Seminar (1)
This course is designed to smooth the advance of non-traditional students who are returning to school or are starting school after spending time in the work force or raising families. This course, or its equivalent for the traditional student UNIV 1001, is required for all freshmen. No prerequisite.

Music

MUSI 1306 Music Appreciation (3)
An introduction to the art of music through the development of listening skills utilizing music literature from classical, popular and ethnic sources. No previous experience with music is required.

MUSI 1389 Multilist Course (1-3)
Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

Natural Science

NTSC 4301 Environmental Ethics (3)
A series of discussions and written comments on current, social and bioethical issues such as: Ethics of Medicine, Artificial means of Reproduction, Morality of Abortion, Active Euthanasia, Human Gene Therapy, etc. Environmental issues are extremely complex and they usually relate to philosophical, economical and religious viewpoints. This course tries to encourage you to focus on social and environmental problems in a global context. Prerequisites: One year of natural science with laboratory.

NTSC 4311 History and Philosophy of Science (3)
History and philosophical development of science from Classical Greece to modern times. Prerequisites: one year of natural science with laboratory, one year of mathematics.

Physics

PHYS 1401 College Physics I (4)
Basic concepts of Newtonian mechanics, fluid mechanics and thermodynamics are described using algebra and trigonometry. Laboratory experiments are performed. Prerequisite: Algebra and trigonometry in high school or college.

PHYS 1402 College Physics II (4)
Basic concepts of oscillatory motion, electricity, magnetism, nature of light, optics and relativity are described using algebra and trigonometry. Laboratory experiments are performed. Prerequisites: PHYS 1401.

PHYS 2425 University Physics I (4)
Basic concepts of Newtonian mechanics, thermodynamics, and electrostatics are described using vectors and calculus. Topics include linear and circular motion, rotation of a rigid body, oscillatory and wave motion, first and second law of thermodynamics, electric fields and Gauss’ Law. Laboratory experiments demonstrate principles. Prerequisite or corequisite: MATH 2414.

PHYS 2426 University Physics II (4)
Basic concepts of electricity and magnetism optics and modern physics are described using vectors and calculus. Topics include electrical capacitance and inductance, direct and alternating current circuits, Faraday’s Law, electromagnetic fields, Snell’s Law, relativity and quantum physics. Laboratory experiments demonstrate principles. Prerequisite: PHYS 2425.
Philosophy

PHIL 1304 Introduction to World Religions (3)
Survey of religions of the world, such as Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, and Taoism. This course will explore the core tenets and practices of various religions, both historically and in today’s global pluralistic society. Prerequisite: none.

PHIL 2303 Logic (3)
The aim of this course is to use the methods of logic (truth tables, natural deduction proofs) to determine the validity of formal and informal reasoning. Classical two-valued systems of sentential, predicate and relational logic will be studied. Prerequisites: MATH 1332, MATH 2412 or MATH 1324 or permission of the instructor.

* Course fulfills general education requirements
Special Populations

(Minor Only)

Administered through the Behavioral Science Department in the College of Arts and Sciences.

The Special Populations Minor provides insight and understanding into the world of the exceptional children, especially primary and secondary school students. Consult with the College of Arts and Sciences Academic Advising Office for a list of faculty advisors.

Minor Requirements

The total semester hours for the minor in Special Populations is 18 credit hours. A maximum of 6 lower-level credit hours and at least 12 upper-level credit hours are required.

Before taking Special Population courses as listed below, students should take **PSYC 1301** Introduction to Psychology and **PSYC 3341** Child/Adolescent Psychology or its equivalent. These courses may be counted toward the 18 credit hours in this minor if they are not also used for credit in a student’s major. The total semester credit hours required for a minor in Special Populations is **18**.

Students choose from the following courses to complete their coursework.

- CRIM 3365 Juvenile Delinquency & Justice (3)
- EDUC 4310 Early Intervention (3)
- EDUC 4352 Collaborative and Inclusive Practices (3)
- EDUC 4354 Learning Disabilities (3)
- KINE 3310 Motor Development (3) or
- KINE 3330 Physical Activity for Handicapping Conditions (3)
- PSYC 3403 Principles of Learning (4)
- PSYC 4331 Cognitive Psychology (3)
- PSYC 4341 The Exceptional Child (3)
- PSYC 4371 Motivation (3)
- SOCI 3365 Juvenile Delinquency & Justice (3)

Course Listing

**CRIM 3365 Juvenile Delinquency and Justice (3)**
A study of the juvenile justice system, theories of causation, the distribution and frequency of delinquency, correctional treatment, and prevention programs in modern society. The student may enroll in this course for credit in sociology.

**EDUC 4310 Early Intervention (3)**
This early childhood course will focus on the development & learning of the young child (birth to 8 years) with special needs.

**EDUC 4352 Collaborative and Inclusive Practices (3)**
This course will examine the teacher’s role in collaborating with parents, teachers, and other professionals in the design of a classroom learning community promoting success for students with disabilities in the general education setting. Prerequisite: EDUC 3352 or PSYC 4341.

**EDUC 4354 Learning Disabilities (3)**
This course will examine typical characteristics associated with learning disabilities, identification procedures used, and the development of appropriate intervention programs. Students will participate in field based activities throughout the course. Prerequisite: EDUC 3352 or PSYC 4341.

**KINE 3310 Motor Development (3)**
An examination of the factors affecting physical growth, those influencing the acquisition of fundamental motor skills, and the effects of aging upon physical performance.

**KINE 3330 Physical Activity for Handicapping Conditions (3)**
Introduction to various handicapping conditions with particular emphasis on their impact upon an individual’s ability to perform sports and other physical activities. The nature of appropriate physical activity programs for handicapped individuals is explored.
PSYC 3403 Principles of Learning (4)
Major research results of classical and instrumental conditioning in animals and humans. Verbal learning, concept learning, problem solving and memory in humans will also be reviewed. Prerequisite: PSYC 1301. S

PSYC 4311 Cognitive Psychology (3)
Research and theories of cognitive processes, including concept learning, problem solving, memory, attention, and language development and maintenance. Prerequisite: PSYC 1301. F

PSYC 4341 The Exceptional Child (3)
Theories and research in fields of biology and psychology concerning exceptional children, emphasizing mentally retarded, emotionally disturbed and mentally gifted. Same as EDUC 3352.

PSYC 4371 Motivation (3)
Theories and experimental research concerning drives, needs and preferences as proposed by scientists studying personality, learning and physiology. Prerequisite: PSYC 1301. S

SOCI 3365 Juvenile Delinquency and Justice (3)
A study of the juvenile justice system, theories of causation, the distribution and frequency of delinquency, correctional treatment, and prevention programs in modern society. The student may enroll in this course for credit in criminology.
Women's Studies

(Minor Only)

The Women's Studies Minor allows the student who selects it to explore currently and historically the cultural, political and socio-economic status of women. Consult with the College of Arts and Sciences for a list of faculty advisors.

Minor Requirements

The total semester credit hours required for a minor in Women's Studies is 18.

SOCI 1301 and 4317 are required; students must take another 12 hours of coursework distributed among the academic fields offering classes. No more than two courses may come from any area. Courses in the student's major area are excluded from her/his minor choices, except for Sociology majors enrolled in Sociology 1301 and 4317.

Course Inventory

<table>
<thead>
<tr>
<th>ART</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 3301</td>
<td>Women Artists I</td>
</tr>
<tr>
<td>ARTS 3302</td>
<td>Women Artists II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BUSINESS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MRKT 4322</td>
<td>Women in Business</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3352</td>
<td>Eighteenth-Century Women Poets</td>
</tr>
<tr>
<td>ENGL 3332</td>
<td>Representations of Women in British Literature</td>
</tr>
<tr>
<td>ENGL 3325</td>
<td>American Women Playwrights</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>HISTORY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 4375</td>
<td>Women in Early America</td>
</tr>
<tr>
<td>HIST 4376</td>
<td>Women in Modern America</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>KINESIOLOGY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>KINE 4325</td>
<td>Women and Sport</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PSYCHOLOGY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 4381</td>
<td>Psychology of Women</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SOCIOLOGY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 1301</td>
<td>Introduction To Sociology</td>
</tr>
<tr>
<td>SOCI 3390</td>
<td>The Family over the Life Cycle</td>
</tr>
<tr>
<td>SOCI 4317</td>
<td>Women's Studies</td>
</tr>
</tbody>
</table>

246 UTPB 2003–2005 Undergraduate Catalog

| PSYC 411 | PSYC 4311 | SOC 101 | SOCI 1301 | SOC 493 | SOCI 4393 | SPCH 179 | SPCH 1379 |
| PSYC 412 | PSYC 4312 | SOC 201 | SOCI 1306 | SOC 494 | SOCI 4394 | SPCH 210 | SPCH 2310 |
| PSYC 441 | PSYC 4341 | SOC 210 | SOCI 2310 | SOC 499 | SOCI 4399 | SPCH 220 | SPCH 2350 |
| PSYC 445 | PSYC 4345 | SOC 312 | SOCI 3112 | SOC 627 | SOCI 6327 | SPCH 240 | SPCH 2340 |
| PSYC 451 | PSYC 4351 | SOC 317 | SOCI 3317 | SOC 644 | SOCI 6344 | SPCH 289 | SPCH 2389 |
| PSYC 460 | PSYC 4360 | SOC 345 | SOCI 3145 | SOC 650 | SOCI 6350 | SPCH 335 | SPCH 3335 |
| PSYC 471 | PSYC 4371 | SOC 347 | SOCI 3147 | SOC 679 | SOCI 6379 | SPCH 340 | SPCH 3340 |
| PSYC 481 | PSYC 4381 | SOC 350 | SOCI 3350 | SPAN 101 | SPAN 1411 | SPCH 345 | SPCH 3345 |
| PSYC 489 | PSYC 4389 | SOC 365 | SOCI 3365 | SPAN 102 | SPAN 1412 | SPCH 346 | SPCH 3346 |
| PSYC 491 | PSYC 4391 | SOC 370 | SOCI 3370 | SPAN 201 | SPAN 2311 | SPCH 350 | SPCH 3350 |
| PSYC 493 | PSYC 4393 | SOC 389 | SOCI 3389 | SPAN 202 | SPAN 2312 | SPCH 389 | SPCH 3389 |
| PSYC 601 | PSYC 6301 | SOC 390 | SOCI 3390 | SPAN 289 | SPAN 2389 | SPCH 391 | SPCH 3391 |
| PSYC 602 | PSYC 6302 | SOC 391 | SOCI 3391 | SPAN 301 | SPAN 3301 | SPCH 392 | SPCH 3392 |
| PSYC 604 | PSYC 6304 | SOC 403 | SOCI 4303 | SPAN 302 | SPAN 3302 | SPCH 406 | SPCH 4306 |
| PSYC 605 | PSYC 6305 | SOC 405 | SOCI 4305 | SPAN 311 | SPAN 3311 | SPCH 456 | SPCH 4356 |
| PSYC 612 | PSYC 6312 | SOC 415 | SOCI 4315 | SPAN 321 | SPAN 3321 | SPCH 491 | SPCH 4391 |
| PSYC 621 | PSYC 6321 | SOC 420 | SOCI 4320 | SPAN 331 | SPAN 3331 | SWK 380 | SOCW 3380 |
| PSYC 622 | PSYC 6322 | SOC 425 | SOCI 4325 | SPAN 401 | SPAN 4301 | SWK 382 | SOCW 3382 |
| PSYC 623 | PSYC 6323 | SOC 427 | SOCI 4327 | SPAN 402 | SPAN 4302 | SWK 385 | SOCW 3385 |
| PSYC 624 | PSYC 6324 | SOC 431 | SOCI 4331 | SPAN 411 | SPAN 4311 | SWK 420 | SOCW 4320 |
| PSYC 630 | PSYC 6330 | SOC 432 | SOCI 4332 | SPAN 431 | SPAN 4331 | SWK 422 | SOCW 4322 |
| PSYC 641 | PSYC 6341 | SOC 433 | SOCI 4333 | SPAN 437 | SPAN 4337 | SWK 492 | SOCW 4392 |
| PSYC 642 | PSYC 6342 | SOC 444 | SOCI 4344 | SPAN 451 | SPAN 4351 | TASP 099 | TASP 099 |
| PSYC 643 | PSYC 6343 | SOC 448 | SOCI 4348 | SPAN 452 | SPAN 4352 | THEA 201 | DRAM 2301 |
| PSYC 650 | PSYC 6350 | SOC 450 | SOCI 4350 | SPAN 459 | SPAN 4359 | THEA 202 | DRAM 2302 |
| PSYC 651 | PSYC 6351 | SOC 460 | SOCI 4360 | SPAN 469 | SPAN 4369 | THEA 302 | DRAM 3302 |
| PSYC 671 | PSYC 6371 | SOC 462 | SOCI 4362 | SPAN 478 | SPAN 4378 | THEA 360 | DRAM 3360 |
| PSYC 689 | PSYC 6389 | SOC 465 | SOCI 4365 | SPAN 489 | SPAN 4389 | THEA 361 | DRAM 3361 |
| PSYC 691 | PSYC 6391 | SOC 470 | SOCI 4370 | SPAN 491 | SPAN 4391 | THEA 370 | DRAM 3370 |
| PSYC 692 | PSYC 6692 | SOC 480 | SOCI 4380 | SPAN 631 | SPAN 6331 | THEA 440 | DRAM 4340 |
| PSYC 695 | PSYC 6695 | SOC 489 | SOCI 4389 | SPCH 101 | SPCH 1315 | THEA 479 | DRAM 4379 |
| PSYC 699 | PSYC 6699 | SOC 491 | SOCI 4391 | SPCH 102 | SPCH 1316 |     |      |
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252 UTPB 2003–2005 Undergraduate Catalog
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254    UTPB 2003–2005 Undergraduate Catalog
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# Index

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Appeals</td>
<td>57</td>
</tr>
<tr>
<td>Academic Dismissal</td>
<td>57</td>
</tr>
<tr>
<td>Academic Fresh Start</td>
<td>18</td>
</tr>
<tr>
<td>Academic Petition</td>
<td>57</td>
</tr>
<tr>
<td>Academic Regulations</td>
<td>53</td>
</tr>
<tr>
<td>Accountancy</td>
<td>79</td>
</tr>
<tr>
<td>Accounting</td>
<td>81</td>
</tr>
<tr>
<td>Adding Classes</td>
<td>55</td>
</tr>
<tr>
<td>Administrative Officers</td>
<td>6</td>
</tr>
<tr>
<td>Admissions, Freshmen Students</td>
<td>13</td>
</tr>
<tr>
<td>Admissions, International Students</td>
<td>20</td>
</tr>
<tr>
<td>Admissions, Transfer Students</td>
<td>18</td>
</tr>
<tr>
<td>Advanced Placement Exams</td>
<td>16</td>
</tr>
<tr>
<td>Advisement</td>
<td>59</td>
</tr>
<tr>
<td>AIDS, HIV, and Hepatitis B Infection Policy</td>
<td>30</td>
</tr>
<tr>
<td>Alcoholic/Intoxicating Beverages Policies</td>
<td>32</td>
</tr>
<tr>
<td>Americans with Disabilities Assistance</td>
<td>29</td>
</tr>
<tr>
<td>Appeal Procedures</td>
<td>57</td>
</tr>
<tr>
<td>Art</td>
<td>84</td>
</tr>
<tr>
<td>Art History Minor</td>
<td>89</td>
</tr>
<tr>
<td>Art Teacher Certification</td>
<td>85</td>
</tr>
<tr>
<td>Arts &amp; Sciences, College of</td>
<td>58</td>
</tr>
<tr>
<td>Athletics</td>
<td>27</td>
</tr>
<tr>
<td>Attendance</td>
<td>53</td>
</tr>
<tr>
<td>Auditing Courses (See Noncredit course registration)</td>
<td>36</td>
</tr>
<tr>
<td>Baccalaureate Degree Requirements</td>
<td>49</td>
</tr>
<tr>
<td>Bacterial Meningitis Information</td>
<td>30</td>
</tr>
<tr>
<td>Behavioral Science Department</td>
<td>58</td>
</tr>
<tr>
<td>Bilingual/English as a Second Language Minor</td>
<td>97</td>
</tr>
<tr>
<td>Bilingual Education Certification</td>
<td>70-73</td>
</tr>
<tr>
<td>Biology, Undergraduate</td>
<td>98</td>
</tr>
<tr>
<td>Business, BBA General Education Requirements</td>
<td>62</td>
</tr>
<tr>
<td>Business, BBA Lower Level Requirements</td>
<td>62</td>
</tr>
<tr>
<td>Business, BBA Upper Level Requirements</td>
<td>63</td>
</tr>
<tr>
<td>Business, Minor</td>
<td>64</td>
</tr>
<tr>
<td>Business, School of</td>
<td>61</td>
</tr>
<tr>
<td>Calendar</td>
<td>7</td>
</tr>
<tr>
<td>Campus Map</td>
<td>Back Cover</td>
</tr>
<tr>
<td>Career Services</td>
<td>29</td>
</tr>
<tr>
<td>CEEB Advanced Placement Program Examination</td>
<td>17</td>
</tr>
<tr>
<td>Center for Energy and Economic Diversification (CEED)</td>
<td>10</td>
</tr>
<tr>
<td>Chemistry</td>
<td>111</td>
</tr>
<tr>
<td>Child and Family Studies</td>
<td>117</td>
</tr>
<tr>
<td>CLEP (College Level Examinations Program)</td>
<td>17</td>
</tr>
<tr>
<td>Coaching Minor</td>
<td>122</td>
</tr>
<tr>
<td>Communication</td>
<td>123</td>
</tr>
<tr>
<td>Computer Science</td>
<td>130</td>
</tr>
<tr>
<td>Concurrent Enrollment</td>
<td>37</td>
</tr>
<tr>
<td>Contract Study</td>
<td>55</td>
</tr>
<tr>
<td>Correspondence Credit</td>
<td>19</td>
</tr>
<tr>
<td>Counseling Services</td>
<td>29</td>
</tr>
<tr>
<td>Course Load</td>
<td>53</td>
</tr>
<tr>
<td>Credit by Examination</td>
<td>16</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>134</td>
</tr>
<tr>
<td>Criminology</td>
<td>137</td>
</tr>
<tr>
<td>Dental School Preparation</td>
<td>222</td>
</tr>
<tr>
<td>Definitions of Academic Terminology</td>
<td>4</td>
</tr>
<tr>
<td>Directory Information</td>
<td>38</td>
</tr>
<tr>
<td>Disciplinary Procedures</td>
<td>30</td>
</tr>
<tr>
<td>Dismissal</td>
<td>57</td>
</tr>
<tr>
<td>Double Major</td>
<td>54</td>
</tr>
<tr>
<td>Drama Minor</td>
<td>141</td>
</tr>
<tr>
<td>Topic</td>
<td>Page</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Drops, Adds, and Withdrawal</td>
<td>55</td>
</tr>
<tr>
<td>Drugs/Narcotics Policies</td>
<td>31</td>
</tr>
<tr>
<td>E-Advisor</td>
<td>36</td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>67</td>
</tr>
<tr>
<td>Earth Sciences</td>
<td>142</td>
</tr>
<tr>
<td>Economics</td>
<td>145</td>
</tr>
<tr>
<td>EDA University Center</td>
<td>10</td>
</tr>
<tr>
<td>Education, Program Requirements</td>
<td>67</td>
</tr>
<tr>
<td>Education, School of</td>
<td>67</td>
</tr>
<tr>
<td>Education Courses</td>
<td>74</td>
</tr>
<tr>
<td>Elementary Teacher Certification</td>
<td>68</td>
</tr>
<tr>
<td>Employment Available</td>
<td>24</td>
</tr>
<tr>
<td>Engineering (Pre-Engineering)</td>
<td>220</td>
</tr>
<tr>
<td>English, Undergraduate</td>
<td>149</td>
</tr>
<tr>
<td>English as a Second Language Certification</td>
<td>73</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>155</td>
</tr>
<tr>
<td>Equal Opportunity Statement</td>
<td>1</td>
</tr>
<tr>
<td>Experiential Learning</td>
<td>55</td>
</tr>
<tr>
<td>ExCET, TExES, and TOPT Requirements</td>
<td>69</td>
</tr>
<tr>
<td>Faculty</td>
<td>251</td>
</tr>
<tr>
<td>Family Educational Rights and Privacy Act (FERPA)</td>
<td>37</td>
</tr>
<tr>
<td>Federal Supplement Educational Grants</td>
<td>23</td>
</tr>
<tr>
<td>Field of Study - Business</td>
<td>52</td>
</tr>
<tr>
<td>Finance</td>
<td>159</td>
</tr>
<tr>
<td>Financial Aid, Undergraduate</td>
<td>22</td>
</tr>
<tr>
<td>Fine Arts Minor</td>
<td>164</td>
</tr>
<tr>
<td>General Education Requirements</td>
<td>51-52</td>
</tr>
<tr>
<td>Geography Minor</td>
<td>165</td>
</tr>
<tr>
<td>Geology</td>
<td>166</td>
</tr>
<tr>
<td>Grading Policies</td>
<td>56</td>
</tr>
<tr>
<td>Grants</td>
<td>23</td>
</tr>
<tr>
<td>Grievance Procedures (See Academic Appeals)</td>
<td>57</td>
</tr>
<tr>
<td>Gymnasium / Pool Complex</td>
<td>27</td>
</tr>
<tr>
<td>Hazing</td>
<td>31</td>
</tr>
<tr>
<td>Hazlewood Act for Texas Veterans</td>
<td>25</td>
</tr>
<tr>
<td>Health (Pre-Professional Programs)</td>
<td>222</td>
</tr>
<tr>
<td>History</td>
<td>170</td>
</tr>
<tr>
<td>Honors</td>
<td>54</td>
</tr>
<tr>
<td>Housing</td>
<td>27</td>
</tr>
<tr>
<td>Humanities</td>
<td>176</td>
</tr>
<tr>
<td>Humanities and Fine Arts Department</td>
<td>58</td>
</tr>
<tr>
<td>Immunizations</td>
<td>32</td>
</tr>
<tr>
<td>In Absentia Registration</td>
<td>37</td>
</tr>
<tr>
<td>Independent Study</td>
<td>55</td>
</tr>
<tr>
<td>Information Resources Access Policy</td>
<td>8</td>
</tr>
<tr>
<td>Information Resources Division</td>
<td>8</td>
</tr>
<tr>
<td>Information Systems</td>
<td>178</td>
</tr>
<tr>
<td>Insurance</td>
<td>32</td>
</tr>
<tr>
<td>Intercollegiate Athletics</td>
<td>27</td>
</tr>
<tr>
<td>International Student Admission</td>
<td>20</td>
</tr>
<tr>
<td>John Ben Sheppard Public Leadership Institute</td>
<td>11</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>183</td>
</tr>
<tr>
<td>Leadership Studies</td>
<td>190</td>
</tr>
<tr>
<td>Library</td>
<td>8</td>
</tr>
<tr>
<td>Management</td>
<td>194</td>
</tr>
<tr>
<td>Marketing</td>
<td>199</td>
</tr>
<tr>
<td>Math Center</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics</td>
<td>203</td>
</tr>
<tr>
<td>Medical School Preparation</td>
<td>222</td>
</tr>
<tr>
<td>Mesa Journal</td>
<td>26</td>
</tr>
<tr>
<td>Middle School Teacher Certification</td>
<td>71-72</td>
</tr>
<tr>
<td>Multicultural Studies Minor</td>
<td>208</td>
</tr>
</tbody>
</table>
# Index

Multidisciplinary Studies .................................................. 209
Music Courses ................................................................. 242
Natural Science Courses ...................................................... 242
New Mexico Resident Tuition ................................................. 40
Non-Degree Student (Transient Students) ......................... 18
Occupational Therapy (Transfer Curriculum) ....................... 213
Organizations ................................................................. 27
PASS Office ................................................................. 29
Pell Grant ................................................................. 23
Petroleum Industry Alliance ................................................. 10
Philosophy Courses ....................................................... 243
Physical Education Teaching Certification ......................... 73
Physical Therapy (Transfer Curriculum) ......................... 214
Physician Assistant Studies (Transfer Curriculum) .......... 215
Physics Courses ............................................................ 242
Placement Testing ........................................................... 36
Political Science ............................................................. 216
Post Baccalaureate Teacher Certification ......................... 68
Probation and Dismissal .................................................. 57
Program Board ............................................................. 26
Programs Assisting Students Study (PASS) ....................... 29
Psychology ................................................................. 223
Publications & Special Projects ........................................ 9
Reinstatement after Financial Aid Suspension .................... 25
REACH ....................................................................... 9
Refund of Tuition and Fees ............................................... 42
Regents ....................................................................... 6
Regional Electronic Academic Communications Highway (REACH) .................................................... 9
Registration ................................................................. 34
Religious Holidays ......................................................... 53
Repeat Policy .............................................................. 57
Residency for Tuition ...................................................... 39
Sandstorm ................................................................. 26
Satisfactory Academic Financial Aid Progress ................. 24
Scholarships ................................................................. 23
Scholastic Progress ......................................................... 57
Science and Mathematics Department .............................. 58
Second Bachelor’s Degree ............................................... 54
Secondary Teacher Certification .................................... 72-73
Self-Paced Instruction .................................................. 37
Senate Bill 1907 ............................................................ 42
Senior Citizen Tuition Waiver ......................................... 40
Small Business Development Center .............................. 11
Social Work ................................................................. 228
Sociology ................................................................. 233
Solicitation ................................................................. 32
Spanish ................................................................. 238
Special Courses ............................................................ 242
Special Education .......................................................... 73
Special Populations Minor .............................................. 244
Stafford Loan ............................................................. 23
Student Conduct Regulations ......................................... 30
Student Disciplinary Procedures ...................................... 30
Student Housing .......................................................... 27
Student Organizations .................................................... 27
Student Right-to-Know & Campus Security Act ................ 32
Student Senate ............................................................ 26
Student Loan Programs .................................................. 23
Student Teaching .......................................................... 69
Student Travel ............................................................. 32
SUCCESS Program ......................................................... 30
Table of Contents .......................................................... 2
Index

TASP Test .............................................................................................................34
Teacher Certification .........................................................................................70-73
Teacher Certification, Approved Specializations ...........................................67
Teacher Certification for Those Who Already Have a Degree .......................68
Texas Common Core .........................................................................................52
Test of English as a Foreign Language (TOEFL) ...............................................20
Texas Academic Skills Program (TASP) .........................................................34
Texas Agency Assistance for Students ............................................................25
Texas Grant .......................................................................................................23
Texas Public Education Grant Program ...........................................................23
Texas Residency ...............................................................................................39
Transfer, Admissions .......................................................................................18
Transfer Admissions for International Students ..............................................20
Transfer of Credit ............................................................................................19
Transient Students ..........................................................................................18
Travel (Student) ...............................................................................................32
Tuition and Fee, Regulations ..........................................................................40
Tuition and Fees, List of ....................................................................................44
Tuition and Fees, Sample of Total Tuition and Fees .......................................47
Tuition and Fees, Refunds ...............................................................................42
Tuition Rebate for Graduating with Minimum Credits ..................................42
Tutoring Services .............................................................................................30
University Counseling and Psychological Services .........................................10
University’s Role & Mission ............................................................................5
University, The ................................................................................................5
Veterans Educational Benefits ...........................................................................25
Withdrawing from the University ....................................................................55
Women’s Studies (minor) ...............................................................................246
Work-Study Program .......................................................................................23
Writing Center ...................................................................................................9
Key Phone Numbers:

Area Code (432)
Academic Counselor ........................................... 552-2117
Accounting ....................................................... 552-2706
Admissions ....................................................... 552-2605
Athletics .......................................................... 552-2675
Bookstore .......................................................... 552-0220
Customer Relations Representative ...................... 552-2106
Educational Certification ..................................... 552-2121
Financial Aid .................................................... 552-2620
Graduate Studies .............................................. 552-2530
Gymnasium ...................................................... 552-2336
Housing ............................................................ 552-2743
International Student Advisor .............................. 552-2605
Library ............................................................ 552-2370
PASS Office ...................................................... 552-2630
Police Administration ........................................ 552-2780
Public Affairs & Information ............................... 552-2805
Registrar .......................................................... 552-2635
Section 504/ADA Compliance Officer .................... 552-2630
Snack Bar .......................................................... 550-6988
Student Programs .............................................. 552-2650
Veteran's Representative .................................... 552-2641
College of Arts & Sciences .................................. 552-2220
  Department of Behavioral Science ....................... 552-2325
  Department of Humanities & Fine Arts ................. 552-2280
  Department of Science & Mathematics ................. 552-2230
School of Business .......................................... 552-2170
School of Education ......................................... 552-2120

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The University of Texas of the Permian Basin
4901 E. University Blvd.
Odessa, Texas 79762-0001
The following application for Admission is a portion of the Texas Common Application designed for Freshman Admission to Texas Public Universities. You are strongly urged to complete this application on-line at www.applytexas.org. The on-line version of the application provides information and instructions that will simplify the application process. Transfer and International students should not complete the attached application. Applications are available on-line at www.applytexas.org for both Transfer and International students. International students will be required to provide additional information to the Office of Admissions in order to complete the application process. For further information, please contact the Office of Admissions at (432) 552-2605.