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.

This catalog is a general information publication only. It is not intended to nor does it contain all regulations that relate to students. The provisions of this catalog do not constitute a contract, express or implied, between any applicant, student or faculty member and The University of Texas of the Permian Basin or The University of Texas System. The University of Texas of the Permian Basin reserves the right to withdraw courses at any time, to change fees or tuition, calendar, curriculum, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever the proper authorities so determine and will apply to both prospective students and those already enrolled.

UTPB World Wide Web Home Page can be found at <http://www.utpb.edu>
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<th>Definition</th>
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</thead>
<tbody>
<tr>
<td>BA</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>BAAS</td>
<td>Bachelor of Arts in Applied Sciences</td>
</tr>
<tr>
<td>BBA</td>
<td>Bachelor of Business Administration</td>
</tr>
<tr>
<td>BFA</td>
<td>Bachelor of Fine Arts</td>
</tr>
<tr>
<td>BS</td>
<td>Bachelor of Science</td>
</tr>
<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>
</tr>
<tr>
<td>FERPA</td>
<td>Family Educational Rights and Privacy Act</td>
</tr>
<tr>
<td>gpa</td>
<td>grade point average</td>
</tr>
<tr>
<td>PASS</td>
<td>Programs Assisting Students Study</td>
</tr>
<tr>
<td>REACH</td>
<td>Regional Electronic Academic Communications Highway</td>
</tr>
<tr>
<td>sch</td>
<td>semester credit hour(s)</td>
</tr>
<tr>
<td>TCCNS</td>
<td>Texas Common Core Numbering System</td>
</tr>
<tr>
<td>TExES</td>
<td>Texas Examinations of Educator Standards</td>
</tr>
<tr>
<td>TOPT</td>
<td>Texas Oral Proficiency Test</td>
</tr>
<tr>
<td>TSI</td>
<td>Texas Success Initiative</td>
</tr>
<tr>
<td>UTTC</td>
<td>University of Texas TeleCampus</td>
</tr>
</tbody>
</table>
David Watts, PhD
President

As President of the University, Dr. Watts' vision is to make the University of Texas of the Permian Basin a beacon for West Texas, attracting students and faculty to create opportunities for a lifetime. He has provided leadership for growth, program expansion, and student service enhancement resulting in several record-breaking enrollments. Scholarships have been expanded for entering freshmen and for classroom teachers to pursue graduate degrees. Committed to building and maintaining strong relationships between U.T. Permian Basin and the communities it serves, Dr. Watts actively supports economic development in West Texas. A native Texan, Dr. Watts earned a bachelor's degree from U. T. Austin, and a master's and Ph. D. in sociology from the State University of New York at Buffalo. A consultant to federal, state, and local substance prevention and treatment programs, he has written numerous publications and grants on substance abuse. In 2001, he was named to the Community Boards of Wells Fargo Bank of Midland and Odessa.

The University

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.

Mission Statement

Our Vision:

...continued and sustained growth in academic programs, student services, and the student body while encouraging continuous improvement in our academic quality.

In concert with the University of Texas System:

The mission of The University of Texas of the Permian Basin is to provide quality education to all qualified students in a supportive educational environment; to promote excellence in teaching, research, and service; and to serve as a resource for the intellectual, social, economic, and technological advancement of our diverse constituency in West Texas.

To Our Students

The University is committed to promoting the widest level of participation within our region by focusing on the potential of each student. As a regional institution, the University offers to both traditional and nontraditional students an environment of support and collegiality with a personal concern for each student's successful completion of his or her educational goals. Undergraduate programs balance a curriculum in the liberal arts and sciences with preparation for professional specializations. Graduate programs provide regionally appropriate professional and academic studies. All academic programs, while focused regionally, ensure our graduates may compete globally.

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To Our Faculty and Staff

The University seeks to foster an atmosphere conducive to professional growth. We are dedicated to maintaining an environment that allows each of our faculty and staff to reach his or her professional goals. Through the success of our faculty and staff, and by their integrative efforts, centers of excellence will be created and enhanced.

To Our Community

The University recognizes its responsibility to help advance the economic base of the Permian Basin and West Texas. By serving as a resource of intellectual, social, economic and technological advancement, the University serves as a valuable research asset for the region’s economic development. Our greatest contributions are providing well-prepared graduates to West Texas employers and instilling a love of life-long learning.

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.
THE UNIVERSITY OF TEXAS SYSTEM
BOARD OF REGENTS

OFFICERS
James R. Huffines, Chairman
Rita C. Clements, Vice-Chairman
Woody L. Hunt, Vice-Chairman
Cyndi Taylor Krier, Vice-Chairman
Francie A. Frederick, Counsel and Secretary

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Terms Expire February 1, 2005*
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Rita C. Clements ................................................................................ Dallas
Judith L. Craven, M.D. ......................................................................... Houston
Cyndi Taylor Krier .............................................................................. San Antonio

Terms Expire February 1, 2009*
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H. Scott Caven, Jr. ............................................................................... Houston
James R. Huffines ................................................................................ Austin

*The actual expiration date of the term depends on the date the successor is
appointed, qualified, and takes the oath of office.

ADMINISTRATIVE OFFICERS
The University of Texas of the Permian Basin

W. David Watts ...................................................................................... President
William R. Fannin ................................................................................ Vice President of Academic Affairs and Provost
Christopher Forrest ............................................................................ Vice President of Business Affairs
Susan Lara ............................................................................................. Vice President of Student Services
J. Tillapaugh ........................................................................................ Assistant Vice President for Graduate Studies & Research
Lois Hale ............................................................................................... Interim Dean, College of Arts and Sciences
G. Peter Henricksen ............................................................................ Dean, School of Education
Geralyn McClure Franklin ..................................................................... Dean, School of Business
University Calendar

**Fall 2006**

- Registration Begins: April 1
- Classes Begin: Apr. 22
- Last Day of Late Registration: Aug. 30
- Last Day to Add a Course: Sept. 5
- Labor Day Holiday: Sept. 7
- Last Day to Drop with 100% Refund: Sept. 29
- Last Day to Drop Without Creating an Academic Record: Sept. 29
- Last Day to File for Graduation: Oct. 24
- Last Day to Withdraw or Drop: Nov. 4
- Last Day to Submit Master’s Thesis and Reports to Committee: Nov. 4
- Last Day to Add Self-Paced Courses: Nov. 22
- Thanksgiving Holiday: Nov. 22
- Thanksgiving Holiday Begins: Nov. 23-25
- Thanksgiving Holiday Ends: Nov. 23-25
- Last Regular Class Day: Dec. 2
- Last Day to Submit Final Copies of Approved Thesis: Dec. 2
- or Report to Graduate Studies Office: Dec. 5-8
- Final Exams: Dec. 9
- Semester Ends: Dec. 10
- Commencement: Dec. 9

**Fall 2006**

- Registration Begins: November 1
- Martin Luther King Day - Classes Dismissed: Jan. 15
- Classes Begin: Jan. 17
- Last Day of Late Registration: Jan. 25
- Last Day to Add a Course: Jan. 25
- Last Day to Drop with 100% Refund: Feb. 1
- Last Day to Drop Without Creating an Academic Record: Feb. 1
- Last Day to File for Graduation: Mar. 6-10
- SPRING BREAK (Tentative): Mar. 23
- Last Day to Withdraw or Drop: Mar. 31
- Last Day to Submit Master’s Thesis and Reports to Committee: Mar. 31
- Last Day to Add Self-Paced Courses: Apr. 28
- Last Day to Take Oral Exam (Graduate Students): Apr. 28
- Last Regular Class Day: Apr. 28
- Last Day to Submit Final Copies of Approved Thesis: May 1-4
- or Report to Graduate Studies Office: May 5
- Final Exams: May 6
- Semester Ends: May 6
- Commencement: May 6

**Spring 2006**

- Registration and First Day of Class: May 8
- May Term Ends: May 26

**Maymester 06**

- Registration: May 25
- Classes Begin (Summer I and Whole Summer): May 30
- Summer I Ends: July 3
- Classes Begin (Summer II): July 10
- Classes End (Summer II and Whole Summer): Aug. 10

**Maymester 06**

- May 8
- May 26

**Summer 2006**

- May 25
- May 30
- July 3
- July 10
- Aug. 10

**Summer 2007**

- May 24
- May 29
- July 2
- July 9
- Aug 9

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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 require 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 44 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 and Science Center

The University Math & Science Center (UMSC) is located on the fourth floor of the Mesa Building in room 4180. The Math & Science Center is dedicated to assisting students in overcoming the difficulties they are having with general mathematics and science courses. The UMSC provides group and/or individualized instructional services in a user-friendly environment. Our main goals are enhancing students' knowledge and skills and improving test performance and course retention. The UMSC operated on a walk-in basis, but individual appointments can be arranged.

The Math & Science Center assistants are friendly, knowledgeable, ready, and willing to help. Please call us at 552-3350.
The Writing Center

Assistance with all types of writing assignments is provided by the University Writing Center. Among the many services provided by the UWC, students may receive critiques on written assignments; 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 THEA 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.
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 Diversification Program, the Small Business Development Center and the Petroleum Industry Alliance.

Economic Diversification Program

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 Economic Diversification Program 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 Economic Diversification Program. 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. Counseling, psychological evaluations and life skills services are available for students and their families. 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.
The Jan and Ted Roden Center for Entrepreneurship

The Jan and Ted Roden Center for Entrepreneurship was officially opened in the Fall of 2004 with private funding from Jan and Ted Roden to foster the entrepreneurial spirit of the students at U.T. Permian Basin. The Center serves as a focal point for all student-related activities in the area of entrepreneurship. Included within the Center are state-of-the-art multimedia and wireless computer capabilities as well as a library for student research in the areas of small business and entrepreneurship.

Mission: The Jan and Ted Roden Center for Entrepreneurship will serve as a vehicle for encouraging the entrepreneurial spirit in our students. First and foremost, the Center will strive to remind our students that self-venturing is a viable option as a career choice.

Small Business Development Center

The Small Business Development Center (SBDC) program was initiated at U. T. Permian Basin in 1986 and moved to the CEEED 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 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. It was recently instrumental in establishing a new graduate degree program leading to a Master of Public Administration with an emphasis in Leadership Studies at UTPB.

- **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. Some fifty student forums are held throughout Texas each year, reaching approximately 5,000 high school students.

- 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 and are eligible for a scholarship that covers the cost of tuition, books, and lodging during the institute, with an option of returning for a second summer of graduate studies.

- 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 1221
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.

FRESHMEN STUDENTS

Freshman Student

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.”

Freshmen 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:

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

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.

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. Students who do not meet the admissions criteria outlined below may be considered for the Provisional Admissions Program.
HIGH SCHOOL UNITS -

RECOMMENDED HIGH SCHOOL PROGRAM - Texas students completing the Recommended or Distinguished High School program or hold the International Baccalaureate Diploma meet the high school unit requirement unconditionally.

The following are recommended units for all other students:

- 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

<table>
<thead>
<tr>
<th>Graduation Class Rank</th>
<th>College Entrance Exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top 10%</td>
<td>No minimum score.</td>
</tr>
<tr>
<td>11-25</td>
<td>No minimum score, but scores must be submitted.</td>
</tr>
<tr>
<td>2nd quarter</td>
<td>830 18</td>
</tr>
<tr>
<td>3rd quarter</td>
<td>920 19</td>
</tr>
<tr>
<td>4th quarter</td>
<td>1100 24</td>
</tr>
</tbody>
</table>

Freshman applicants graduating from non-accredited high schools must have scored 920 or higher on the SAT or 19 or higher on the ACT and show evidence of meeting the high school unit requirements.

Freshman applicants graduating from home schools must have scored 920 or higher on the SAT or 19 or higher on the ACT and be 18 years of age or older.

Freshman applicants with GED certificates must have scored 1100 or higher on the SAT or 24 or higher on the ACT; be 18 years of age or older; and show evidence of meeting high school unit requirements by attaining a score of 50 or better on each individual GED score.

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.
INTERNATIONAL BACCALAUREATE

The University of Texas of the Permian Basin recognizes credit for international baccalaureate scores. Credit determinations are made by the academic department.

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,
- 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 62 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>
</tr>
<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>
<td>BIOL (8 hrs.) [BIOL 1306/1106, 1307/1107]</td>
<td>3</td>
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<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>
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</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>
<td>4</td>
</tr>
<tr>
<td>MATH CAL AB (4 hrs.) [MATH 2413]</td>
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</tr>
<tr>
<td>MATH CAL BC (8 hrs.) [MATH 2412, 2413]</td>
<td>3</td>
</tr>
<tr>
<td>PHYS C ELEC &amp; MAG (4 hrs.) [PHYS 2426]</td>
<td>3</td>
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<tr>
<td>PHYS C MECH (4 hrs.) [PHYS 2425]</td>
<td>3</td>
</tr>
<tr>
<td>PLSC U.S.GOV'T (3 hrs. max) [PLSC 2305 or 2306]¹</td>
<td>3</td>
</tr>
<tr>
<td>PSYC INTRO (3 hrs.) [PSYC 1301]</td>
<td>3</td>
</tr>
<tr>
<td>SPAN (4 hrs.) [SPAN 1411]</td>
<td>2</td>
</tr>
<tr>
<td>SPAN (8 hrs.) [SPAN 1411, 1412]</td>
<td>3</td>
</tr>
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<td>SPAN (11 hrs.) [SPAN 1411, 1412, 2311]</td>
<td>4</td>
</tr>
<tr>
<td>SPAN (14 hrs.) [SPAN 1411, 1412, 2311, 2312]</td>
<td>5</td>
</tr>
</tbody>
</table>

¹Students who earn credit by examination for PLSC 1301 or 1302 are required by Texas law to earn credit for PLSC 1302 or 1301, respectively, through classroom instruction.
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 1311/1111) 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 2305) 50
- Introductory Psychology (PSYC 1301) 50
- Introductory Sociology (SOCI 1301) 50
- Spanish Language (SPAN 1411 & 1412) 50
- Spanish Language (SPAN 1411, 1412, 2311) 58
- Spanish Language (SPAN 1411, 1412, 2311, 2312) 66
TRANSFER STUDENTS

Transfer Student

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) and must have a cumulative grade point average of 2.0 or higher in the college-level courses.

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.

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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. (Photo static 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 $13,000 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 the university 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 encourages all financial aid applicants, both graduate and undergraduate, to complete the current year application packet. This packet consists of two basic forms: the General 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 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, and Freshman Grant 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.

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 may 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 “T” 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 progress 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 AidSuspension 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 (MB 1231).
Student Life

Activities, Organizations, and Student Union

The Office of Student Life, located in MB 2120, provides a wide range of services and programs to help UTPB students develop leadership skills, designs and implements activities for UTPB students to enjoy between, before, or after classes, and creates a welcoming atmosphere in the center of campus for students to relax, study, watch television, or participate in on-campus programs.

Falcon Ambassadors: Experienced student leaders are honored at U. T. Permian Basin by being nominated and selected as Falcon Ambassadors. 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 Office of Student Life coordinates summer and January orientations for new students. Orientation leaders are all older students who can help new students become familiar with programs, services, and other resources available to them on campus. Some hOLA (Orientation Leaders Association) members are paid for a portion of the year, but most are volunteers with an expressed interest in helping new students.

Pep Band and Mariachi Band: A band director oversees the recruitment and training of these two music groups. Members in the Pep Band play at most home intercollegiate athletic events. The Mariachi Band also plays at most major on-campus events and focuses on the music of central and south America.

Publications: The Office of Student Life supports the dissemination of news and information of student interest and the publication of literary and artistic student work.

The Sandstorm, an annual magazine-yearbook publication, 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 editor and staff of this student publication are selected from the student body. Applications for editor are accepted from returning students and incoming students with publication experience.

The Mesa Journal, the award-winning student newspaper for U. T. Permian Basin, is a bimonthly newspaper that publishes news and information regarding the University, its students, and national or international news that affect the University community. The Mesa Journal provides an opportunity for students to gain newspaper journalism experience while attending the University and serves as an academic tool through the Mass Communications discipline. The editor and staff for The Mesa Journal are selected from the student body by the Humanities Department.

Student Senate: The Student Senate of U. T. Permian Basin is the elected student organization representing the interests and needs of the student body and is recognized by the administration of U. T. Permian Basin and by the Board of Regents of the U. T. System. 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 karaoke night 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 members with 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 also provides a means of practicing leadership skills.
The Office of Student Life is responsible for the registration of student clubs and organizations and publishes a guide for the development of clubs and organizations. The Office of Student Life also provides various resources for student organization development, work stations and materials, and training on U. T. System policies.

The UTPB Student Union: The Student Union is situated in the north half of the second floor of the Mesa Building and contains a work area with lockable work stations for student clubs and organizations. The Student Union reception desk is open from 8:00 a.m. until 10:00 p.m. Monday through Friday, from 10:00 a.m. 8:00 p.m. on Saturdays, and from 1:00 p.m. - 6:00 p.m. on Sundays. There are quiet study areas, a game room, meeting rooms, televisions and television rooms, and playstations 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.

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.

UTPB Athletics at a Glance
The current athletic program was started in 1994
The program is funded through student fees and public donations-state funds cannot be used

We support 11 Varsity teams
Nearly 300 students are involved in the athletic program as athletes, trainers, and managers
We rely to a significant degree upon part-time coaches

Men's Sports: Soccer, Cross Country, Basketball, Swimming, and Baseball

Women's Sports: Volleyball, Soccer, Cross Country, Basketball, Swimming, and Softball

National Affiliation: National Association for Intercollegiate Athletics (NAIA)
We are currently investigating NCAA membership at the Division II level

Conference Affiliation: Red River Athletic Conference (14 members)

Annual Budget: $600,000
Includes ALL expenses from coaching salaries to light bulbs
Private donations, gate receipts and guarantees account for 10% of the budget

Scholarships
We awarded $284,000 in athletic, cheerleading and dance scholarships in 2004-05.
No team receives preferential treatment. The scholarship amounts are based upon a percentage of the maximum allocation allowed - Examples: women's basketball has 2.2 scholarships and volleyball has 1.75

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 4.0 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.

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.

For Additional Information Please Contact:

| Athletic Director:              | Dr. Steve Aicinena       | aicinena_s@utpb.edu       | 432-552-2675 |
| Sports Information:             | Richard Acosta           | acosta_r@utpb.edu         | 432-552-2803 |
| Athletic Training:              | Bobby Clark              |                            | 432-552-2679 |
| Baseball:                       | Dr. Steve Aicinena       | aicinena_s@utpb.edu       | 432-552-2675 |
| Men's Basketball:               | Billy Mims               | mims_b@utpb.edu           | 432-552-3677 |
| Women's Basketball:             | John Hufford             | hufford_f@utpb.edu        | 432-552-3679 |
| Men's Cross Country:            | Pam Gray                 | gray_p@utpb.edu           | 432-552-4678 |
| Women's Cross Country:          | Pam Gray                 | gray_p@utpb.edu           | 432-552-4678 |
| Men's Soccer:                   | Dennis Peterson          | peterson_d@utpb.edu       | 432-552-2678 |
| Men's Soccer:                   | Dennis Peterson          | peterson_d@utpb.edu       | 432-552-2678 |
| Softball:                       | Danny Dunaway            | dunaway_d@utpb.edu        | 432-552-2676 |
| Men's Swimming:                 | Rob Rankin               | rankin_r@utpb.edu         | 432-552-2335 |
| Women's Swimming:               | Rob Rankin               | rankin_r@utpb.edu         | 432-552-2335 |
| Volleyball:                     | Steve Aicinena           | aicinena_s@utpb.edu       | 432-552-2675 |
| Cheerleading:                   | Mitchell Stack           |                              | 432-664-3101 |
| Dance:                          | Welton Blaylock          |                              | 432-367-3332 |

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/dhbd/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 The University of Texas System and all institutional rules and regulations. Rules regarding all students conduct and discipline are included in Series 50101 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), (c) 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 of 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, lease, rental or offer for sale, lease, rental of any property, product, merchandise, publication, or service, whether for immediate or future delivery; an oral statement or the distribution or display of printed material, merchandise, or products that is designed to encourage the purchase, use, or rental of any property, product, merchandise, publication, or service; the receipt of or request for any gift or contribution; or the request to support or oppose a vote for or against a candidate, issue, or proposition appearing on the ballot at any election held pursuant to State or federal law or local ordinance.

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 1101 (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 Re-enrolling after One or More Years Absence

Students who are transferring to the University or who are re-enrolling 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 TSI 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 Success Initiative

The Texas Success Initiative plan was approved by the 78th Texas Legislature in June 2003 to be effective with the beginning date of September 1, 2003. Under the TSI, an institution shall assess the academic skills of each entering undergraduate student prior to the enrollment of the student. Board approved assessment instruments are ACCUPLACER, ASSET, COMPASS and THEA. The University of Texas of the Permian has chosen to use the THEA (Texas Higher Education Assessment) [formerly TASP] as its approved instrument. The THEA is offered during the regularly scheduled testing plan or is available as a quick version from the PASS Office. Please call (432) 552-2630 for testing information.
Minimum Passing Standards

A. The following minimum passing standards shall be used by an institution to determine a student’s readiness to enroll in freshman-level academic coursework:
   (1) ACCUPLACER: Reading Comprehension - 78; Elementary Algebra - 63; Sentence Structure - 80; and Written Essay - 6.
   (2) ASSET: Reading Skills - 41; Elementary Algebra - 38; Writing Skills (objective) - 40; and Written Essay - 6.
   (3) COMPASS: Reading Skills - 81; Algebra - 39; Writing Skills (objective) - 59; and Written Essay - 6.
   (4) THEA: Reading - 230; Mathematics - 230; Writing - 220.

B. The minimum passing standard for the written essay portion of all tests is a score of 6. However, an essay with a score of 5 will meet this standard if the student meets the objective writing test standard.

C. An institution may require higher passing standards.

Exemptions/Exceptions
The following students shall be exempt from the requirements of this title:

   (1) For a period of five (5) years from the date of testing, a student who is tested and performs at or above the following standards:
       (a) ACT: composite score of 23 with a minimum of 19 on both the English and the mathematics tests;
       (b) SAT (Scholastic Assessment Test): a combined verbal and mathematics score of 1070 with a minimum of 500 on both the verbal and the mathematics tests; or
   (2) For a period of three (3) years from the date of testing, a student who is tested and performs on the Texas Assessment of Academic Skills (TAAS) with a minimum scale score of 1770 on the writing test, a Texas Learning Index (TLI) of 86 on the mathematics test and 89 on the reading test.
   (3) A student who has graduated with an associate or baccalaureate degree from an institution of higher education.
   (4) A student who transfers to an institution from a private or independent institution of higher education or an accredited out-of-state institution of higher education and who has satisfactorily completed college-level coursework as determined by the receiving institution.
   (5) A student who has previously attended any institution and has been determined to have met readiness standards by that institution.
   (6) A student who is enrolled in a certificate program of one year or less (Level-One certificates, 42 or fewer semester credit hours or the equivalent) at a public junior college, a public technical institute, or a public state college.
   (7) A student who is serving on active duty as a member of the armed forces of the United States, the Texas National Guard, or as a member of a reserve component of the armed forces of the United States and has been serving for at least three years preceding enrollment.
   (8) A student who on or after August 1, 1990, was honorably discharged, retired, or released from active duty as a member of the armed forces of the United States or the Texas National Guard or service as a member of a reserve component of the armed forces of the United States.
   (9) An institution may exempt a non-degree-seeking or non-certificate-seeking student.

Unless exempt, a student who fails an approved TSI exam must register for the appropriate developmental course.

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 & Science Center at (432) 552-3350 or MB 4180A.

2. Writing placement testing is required for all students needing ENGLISH 1301 (approximately 1½ 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 2100.

3. Freshman are required to take the THEA 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 1160.
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.
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.
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:

- Texas high school or college transcript for the last 12 months; or
- Property tax statement or receipt with students name/address; or
- Lease agreement which includes student’s name/address; or
- Employer statement of date of employment; or
- Utility bill which includes the student’s name/address; or
- Canceled check/bank statement; or
- Charge account statement/receipt, including student’s name and address; or
- Texas voter registration (returning students only); or
- 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*

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<thead>
<tr>
<th>DESCRIPTION</th>
<th>ELIGIBILITY</th>
<th>FEES EXEMPTED***</th>
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<tbody>
<tr>
<td><strong>Accredited School Scholarship (permissive), Texas Education Code §54.201</strong></td>
<td>Highest ranking graduate of an accredited Texas high school</td>
<td>Tuition during first two semesters (long session) following graduation</td>
</tr>
<tr>
<td>Children of Texas veterans, Texas Education Code §54.203</td>
<td>• 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</td>
<td>Tuition Laboratory fees General fee NOT TO EXCEED 150 CREDIT HOURS</td>
</tr>
<tr>
<td>Texas ex-servicemen, Texas Education Code §54.203</td>
<td>• 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</td>
<td>Tuition Laboratory fees General fee NOT TO EXCEED 150 CREDIT HOURS</td>
</tr>
<tr>
<td>DESCRIPTION</td>
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| Children of disabled/deceased Texas firefighters and peace officers, Texas Education Code §54.204 | • For children under 21 years of age (or 22 if the student was eligible to participate in special education under Tex 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 | Tuition  
Required fees not to exceed 120 undergraduate credit hours or any semester begun after age 26. |
| **Disabled Peace Officers (permissive), Texas Education Code §54.2041**       | • 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 | Tuition  
Fees excluding class and laboratory fees  
**NOT TO EXCEED 12 SEMESTERS IN UNDERGRADUATE PROGRAM** |
| Blind and deaf students, Texas Education Code §54.205                        | • A blind disabled person, or a person whose sense of hearing is nonfunctional  
• Must be a Texas resident | Tuition  
Required fees  
General property deposit |
| Children of prisoners of war or persons missing in action, Texas Education Code §54.209 | Dependent person under 25 years of age who receives majority of support form 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 | Tuition  
Required fees |
| **Senior citizen (permissive), Texas Education Code §54.210**                 | Individuals 65 years of age or older on space available basis  
Individuals 65 years of age or older on space available basis may audit | Tuition  
**NOT TO EXCEED 6 CREDIT HOURS PER SEMESTER**  
Tuition |
| Foster Children, Texas Education Code §54.211                                | • 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 the date of discharge from that care or the 21st birthday | Tuition  
Required fees |
| TANF Students, Texas Education Code §54.212                                 | • For students who during the student’s last year of public high school in this state, was a dependent child receiving financial assistance under Chapter 31, Human Resources Code, for not less than six months  
• Successfully completed the attendance requirements under Section 21.032  
• Younger than 22 years of age on the date of enrollment  
• Enrolls at the institution as an undergraduate student not later than the second anniversary of the date of graduation from a public high school in this state  
• has met the entrance examination requirements of the institution before the date of enrollment  
• Must be a Texas resident | Tuition  
Fees  
**NOT TO EXCEED FIRST ACADEMIC YEAR** |
| Educational Aides, Texas Education Code §54.214                              | • 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 | Tuition  
Fees excluding class and laboratory fees |
| Early High School Graduates, Texas Education Code §56.201-209                | • Completed Texas high school in not more than 36 consecutive months  
• Texas resident | Tuition up to $1,000 |

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Surviving Spouse and minor children of certain police, security or emergency personnel killed in the line of public duty. *Texas Govt. Code, §615.0225*.

**ELIGIBILITY**
- 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*
- Death occurred in the line of duty as a result of a risk inherent in the duty.
- Must be enrolled full time.

**FEES EXEMPTED***
- TUITION & FEES
- STUDENT HOUSING & FOOD CONTRACT COSTS
- TEXTBOOK COSTS
- NOT TO EXCEED BACHELOR'S DEGREE OR 200 HOURS

*This information is provided in summary form. For more information contact the Office of Accounting at (432) 553-2706 and/or refer to Texas Education Code Section 54.201 et seq.

**Must have Regents 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

Tuition charges at Texas state universities are established by state law. The State of Texas 78th Legislature allowed the Board of Regents of the University of Texas System to set designated tuition rates. The State of Texas Legislature does not set the specific amount of any particular student fee. Student fees assessed 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. All other fees at the University of Texas of the Permian Basin are fixed within statutory limitations set by the Board of Regents. All tuition and fees are subject to change by the State of Texas Legislature or Board of Regents without notice. Tuition and fees at the University of Texas of the Permian Basin are subject to change in adherence with acts of the State of Texas Legislature and/or policies of the Board of Regents.
Students are not entitled to enter a class or laboratory until their fees and deposits have been paid. Students are expected to pay all tuition and fees at the time of registration or have an approved financial aid program arranged by the Financial Aid Office prior to registration. Payment may be made by cash, check, credit card, or money order. Check, money order, and credit card (VISA, MasterCard, and Discover) payments will be accepted subject to final collection by the University’s bank. 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.

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;
d. Referral of debt to a collection agency.

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.

### Summary Descriptions of Required Tuition and Fees for Fall 2005

<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>$109/sch</td>
<td>Set by Legislature and Board of Regents (Texas Education Code 54.0512 and 54.0513).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New Mexico</td>
<td>$139/sch</td>
<td>Set by Texas Higher Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>County Not adjacent to Texas</td>
<td></td>
<td>Coordinating Board per Statutory Requirement.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New Mexico</td>
<td>$109/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>$385/sch</td>
<td>Set by Texas Higher Education</td>
</tr>
<tr>
<td></td>
<td>Graduate</td>
<td>Resident</td>
<td>$131/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>$393/sch</td>
<td>Set by Texas Higher Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nonresident</td>
<td>$393/sch</td>
<td>Coordinating Board per Statutory Requirement.</td>
</tr>
</tbody>
</table>

### Required Fees:

- **Advising Fee**: All Students $10/sem A non-refundable, compulsory fee to defray costs of student advising.
- **Athletic Fee**: All Students $7/sch A fee to support the intercollegiate athletics program.
- **Computer Technology Fee**: All Students $5/sch A fee for support of student technology needs and applications.
- **Library Service Fee**: All Students $3/sch A compulsory fee to fund an increase in direct services to students including on-line access to academic indexes and electronic library services.
- **Matriculation Fee**: All Students $15/sem A non-refundable fee will be withheld from tuition refunds if a student withdraws before the first day of class.
- **Medical Service Fee**: All Students $11/sem A compulsory fee to provide $5/summer medical services for students at the contract facility with a $10 co-pay.
- **Orientation Fee**: Freshman/$35 Transfer/$15 A non-refundable, one time, compulsory fee to defray orientation costs.
- **Student Services Fee**: All Students $10.50/sch max.-$250 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.
- **Student Union Fee**: All Students $35/sem A fee to finance, construct, operate, maintain, and improve the Student Union Building.

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Incidental Fees:

Audit Fee
Students desiring to audit
$100/class or $150/class w/lab
To defray costs incurred in scheduling non-credit participants in scheduled classes.

Credit by Examination
Students desiring credit by exam
$40/class
To defray cost of processing credit by examination.

Student ID Fee
All Students $10/student ID
A fee to defray the cost for the student identification card.

Variety
All Students Variable
For specific services such as late registration, library fines, microfilming fees, bad check charges, application

Laboratory Fees:

Variety
All Students Variable
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.

Supplemental Fees:

Variety
All Students Variable
Changes 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.

Voluntary Fees:

Voluntary Fees:
Students desiring the specific service
All Students Variable
May include such items as parking fees, yearbooks, locker fees, yearbooks, locker fees, intercollegiate athletics passes.

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. To defray the costs associated with providing materials, services and instructional support for Distance Education courses, a $35 per credit hour will be charged.

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: Diagnosticians 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 $1 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>Description</th>
<th>Fee Details</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.</td>
</tr>
<tr>
<td></td>
<td>cost of book plus $15 processing fee if the book cannot be repaired</td>
</tr>
<tr>
<td></td>
<td>$50 plus $15 processing fee if the book cannot be replaced.</td>
</tr>
<tr>
<td>Info Express (Document Delivery)</td>
<td>$5 per item + .15 per page over 50 pages.</td>
</tr>
<tr>
<td></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 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</td>
</tr>
<tr>
<td></td>
<td>when an overdue item is returned in good condition.</td>
</tr>
</tbody>
</table>

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Overdue Charges.
General Check Out: $0.25/day/item
Interlibrary Loan: $1/day on overdue materials
Recalled Books: $1/day
Reserve Books: $0.25/hour

Video, Non-Print Media: $1/day

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 August 15 through August 14. The following fees will be charged:

Passenger vehicles and trucks: $32 per year
Additional Parking Permit Fee: $6

Two-wheel vehicles (motorcycles, motor scooters, motorbikes): $32 per year

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

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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 Higher Education Assessment (THEA) ($29)
   - 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.

**Three-peat Enrollment Charge.** To defray costs associated with loss in tuition income for any student taking a course for a third or greater time. Student will be charged nonresident undergraduate tuition rate

**Excess Undergraduate Credit Hour Courses:** To defray costs associated with loss of formula funding for undergraduate students who exceed their degree plan by 45 hours. Student will be charged nonresident undergraduate tuition rate
Sample of total tuition and fee charges
for a semester
Fall 2005

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>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12 sch</td>
<td>15 sch</td>
</tr>
<tr>
<td>Resident Tuition (1)</td>
<td>1308.00</td>
<td>1635.00</td>
</tr>
<tr>
<td>Add: Required Fees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student Services Fees</td>
<td>126.00</td>
<td>157.50</td>
</tr>
<tr>
<td>Library Service Fee</td>
<td>36.00</td>
<td>45.00</td>
</tr>
<tr>
<td>Athletic Fee</td>
<td>84.00</td>
<td>105.00</td>
</tr>
<tr>
<td>Student Union Fee</td>
<td>35.00</td>
<td>35.00</td>
</tr>
<tr>
<td>Advising Fee</td>
<td>10.00</td>
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</tr>
<tr>
<td>Computer Technology Fee</td>
<td>60.00</td>
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<tr>
<td>Medical Service Fee</td>
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<td>11.00</td>
</tr>
<tr>
<td>Subtotal - Required Fees</td>
<td>1670.00</td>
<td>2073.50</td>
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<tr>
<td>Add: Average for college and</td>
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<td></td>
</tr>
<tr>
<td>course related laboratory,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>incidental and supplemental</td>
<td></td>
<td></td>
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<tr>
<td>fees and/or optional student</td>
<td></td>
<td></td>
</tr>
<tr>
<td>services fees (3)</td>
<td>15.00</td>
<td>15.00</td>
</tr>
<tr>
<td>Total Charges (4)</td>
<td>1685.00</td>
<td>2088.50</td>
</tr>
</tbody>
</table>

(1) At the time this catalog is going to print, tuition changes are under consideration by the State of 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 and BAAS 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 (i.e., minimum of 30 sch) 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 MKRT 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. For a BBA in Accountancy, Finance, Management, or Marketing, at least 50% of semester credit hours in upper level business coursework must be taken at U.T. Permian Basin.

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 52-53 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). No courses may be counted simultaneously toward the major and 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. Bachelor of Science in Industrial Technology
f. Bachelor of Social Work
g. Second bachelor’s degree or concurrent second bachelor’s degree
h. 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 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.

**Whichever catalog a student ultimately chooses applies in its entirety to all degree requirements, including those applying to the major, minor, and general education requirements, and total hour and upper level requirements.**
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 the 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>UTPB General Educ. Requirements</th>
<th>Code</th>
<th>SCH</th>
<th>UTPB Course Number</th>
<th>Level</th>
<th>Transferable Courses in the Texas Common Course Inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition and Written Communication</td>
<td>010</td>
<td>6</td>
<td>ENGL 1301, ENGL 1302</td>
<td>Lower level</td>
<td>ENGL 1301, ENGL 1302</td>
</tr>
<tr>
<td>History (US History)</td>
<td>060</td>
<td>6</td>
<td>HIST 1301, HIST 1302</td>
<td>Lower level</td>
<td>HIST 1301, HIST 1302 or 2301</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>HIST 3350, 4375, 4376, 4379</td>
<td>Upper level</td>
<td></td>
</tr>
<tr>
<td>Literature</td>
<td>040</td>
<td>3</td>
<td>ENGL 2322, 2323, 2327, 2328</td>
<td>Lower level</td>
<td>ENGL 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Upper level</td>
<td></td>
</tr>
<tr>
<td>Mathematics (College Algebra)</td>
<td>020</td>
<td>3</td>
<td>MATH 1314, 1324, 1325, 1332, 1333, 2412, 2413, 2414, 2415</td>
<td>Lower Level</td>
<td>MATH 1314, 1324, 1325, 1332, 1333, 2412, 2413, 2414, 2415</td>
</tr>
<tr>
<td>Mathematics: Computing, logic, statistics, math</td>
<td>021</td>
<td>3</td>
<td>MATH 1324, 1325, 1333, 1350, 2412, 2413, 2414, 2415, PHIL 2303, PSYC 3301, SOCI 3317</td>
<td>Lower Level</td>
<td>MATH 1316, 1321, 1324, 1325, 1333, 1342, 1348, 1442, 2312, 2313, 2314, 2315, 2318, 2320, 2412, 2413, 2414, 2415, PHIL 2303, PSYC 2317</td>
</tr>
</tbody>
</table>

*
<table>
<thead>
<tr>
<th>Department</th>
<th>Code</th>
<th>Credits</th>
<th>Lower Level Code</th>
<th>Lower Level Credits</th>
</tr>
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<tbody>
<tr>
<td>Physical and Life Science</td>
<td>BIOL 1306/1106, 1307/1107</td>
<td>8</td>
<td>BIOL 1306/1106(L), 1307/1107(L), 1406,1407,1408,1409,1413,2401,2402</td>
<td>1409,1413,2401,2402</td>
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<tr>
<td></td>
<td>CHEM 1311/1111(L), 1312/1112(L)</td>
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<td>CHEM 1311/1111(L), 1312/1112(L), 1411,1412</td>
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<td>GEOL 1301/1101, 1302/1102</td>
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<td>GEOL 1403, 1404</td>
<td>1403, 1404</td>
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<tr>
<td></td>
<td>PHYS 2325/2125,2326/2126,1301/1101,1302/1102</td>
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<td>PHYS 1401, 1402, 1411,1412,2426</td>
<td>1412, 2426</td>
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<tr>
<td></td>
<td>ENSC 1401, 1402</td>
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<tr>
<td><strong>Political Science (US &amp; Texas Government)</strong></td>
<td>PLSC 2305, 2306</td>
<td>6</td>
<td>GOVT 2301, 2302</td>
<td>2301, 2302</td>
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<tr>
<td>Visual and Performing Arts Appreciation and/or History</td>
<td>ARTS 1301, 1311, 1312,1316, 1320, 2310, 2331,2332, 2340, 2341, 2360</td>
<td>3</td>
<td>ARTS 1301, 1303, 1304,1311, 1312,2330, 2330, 2330</td>
<td>1304, 1311, 1312</td>
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<td>DRAM 2301</td>
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<td>DRAM 3310, 2310, 2331,2330</td>
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<td>MUSI 1306, 2310, 2331,2330</td>
<td>2310, 2330</td>
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<td></td>
<td>ARTS 3300, 3303, 3311, 3340</td>
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<td>ARTS 3300, 3303, 3311,2330, 3340</td>
<td>3311, 3340</td>
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<td></td>
<td>DRAM 3360</td>
<td></td>
<td>DRAM 3360</td>
<td>3360</td>
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<tr>
<td>Oral Communication</td>
<td>COMM 1315, 1318, 1321</td>
<td>3</td>
<td>SPCH 1311, 1315, 1321</td>
<td>1311, 1315, 1321</td>
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<tr>
<td></td>
<td>COMM 3355</td>
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<td>Upper Level</td>
<td>3355</td>
</tr>
<tr>
<td>Social Science</td>
<td>CRIM 2336</td>
<td>3</td>
<td>ANTH 2301, 2302</td>
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<td></td>
<td>ECON 2301, 2302, GEOG 1302</td>
<td></td>
<td>CRIJ 1301, 1307, ECON 2301,2302</td>
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<tr>
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<td>PSYC 1301</td>
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<td>GEGO 1302</td>
<td>1302</td>
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<tr>
<td></td>
<td>SOCI 1301</td>
<td></td>
<td>PSYC 2301</td>
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<td>COMM 2301</td>
<td></td>
<td>SOCI 1301, 1306</td>
<td>1301, 1306</td>
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<tr>
<td></td>
<td>LEAD 1301</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>44</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*The following major fields require specified Math courses (see the UTPB Catalog for details): Accounting, Biology, Chemistry, Child and Family Studies, Computer Science, Criminology, Earth Sciences, Economics, Environmental Science, Finance, Geology, Industrial Technology, Information Systems, Management, Marketing, Mathematics, Multidisciplinary Studies, Psychology, and Sociology. Regardless of the major, most teacher certification programs have mathematics requirements different from or beyond the minimum mathematics general education requirements. Students seeking teacher certification need to contact their certification advisor for specific math requirements.

**Criminal Justice (online), Kinesiology, Psychology, and all majors in the Department of Science & Mathematics are required to take specific courses to meet requirements. See Catalog for details.

**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, SPCH 1311 (with appropriate content only), SPCH 1315 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.
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 are 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 38, 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. Students electing to major in two fields must meet the specified requirements for each major. No one course can be counted in the semester credit hours in more than one major. For example, the minimum is 120 semester credit hours to graduate with a bachelors degree in one field, the student will need 150 semester credit hours to graduate with two bachelors 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 6 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 credit hours 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. The School of Business does not award double majors.

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,” “Internship,” 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 of 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
class 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 14-22.

**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 U. T. Permian Basin are as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Superior achievement</td>
</tr>
<tr>
<td>B</td>
<td>High achievement</td>
</tr>
<tr>
<td>C</td>
<td>Average achievement</td>
</tr>
<tr>
<td>D</td>
<td>Minimal achievement (not available for SPI courses)</td>
</tr>
<tr>
<td>F</td>
<td>Failure to achieve minimal standard</td>
</tr>
<tr>
<td>+</td>
<td>High grade</td>
</tr>
<tr>
<td>-</td>
<td>Low grade</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
</tr>
<tr>
<td>Z</td>
<td>Acceptable progress (SPI only)</td>
</tr>
<tr>
<td>PR</td>
<td>Work in Progress (masters thesis/project)</td>
</tr>
<tr>
<td>W</td>
<td>Dropped class or withdrawal from the University</td>
</tr>
</tbody>
</table>

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 = O. 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, QP, 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 offices. 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 25.

**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

Lois S. Hale, Ph.D., Interim Dean
R. Douglas Spence, Ph.D., Interim Assistant Dean
For Information Contact (432) 552-2220 or go by MB 3212

Department of Behavioral Sciences
Robert L. Perry, Ph.D., Chair
For Information Contact (432) 552-2325 or go by MB 3245

Department of Humanities & Fine Arts
Christopher Stanley, M.F.A., Chair
For Information Contact (432) 552-2280 or go by MB 4102

Department of Science & Mathematics
Donald M. Allen, Ph.D., Interim Chair
For Information Contact (432) 552-2230 or go by MB 2218

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 that 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, Bachelor of Applied Arts and Sciences, Bachelor of Social Work, or the Bachelor of Science degrees and nine programs offering the Master of Arts, or Master of Science, or Master of Public Administration 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.

<table>
<thead>
<tr>
<th>Department of Behavioral Science</th>
<th>Department of Humanities and Fine Arts</th>
<th>Department of Science and Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child &amp; Family Studies: BA</td>
<td>Art: BA and BFA</td>
<td>Biology: BS and MS</td>
</tr>
<tr>
<td>Criminology: BA</td>
<td>Communication: BA</td>
<td>Chemistry: BS</td>
</tr>
<tr>
<td>Criminal Justice: BS</td>
<td>English: BA and MA</td>
<td>Computer Science: BS</td>
</tr>
<tr>
<td>Criminal Justice Admin.: MS</td>
<td>History: BA and MA</td>
<td>Earth Science: BS</td>
</tr>
<tr>
<td>Geography: selected courses</td>
<td>Humanities: BA</td>
<td>Environmental Science: BS</td>
</tr>
<tr>
<td>Kinesiology: BS and MS</td>
<td>Leadership Studies: BA</td>
<td>Geology: BS and MS</td>
</tr>
<tr>
<td>Multidisciplinary Studies: BA</td>
<td>Music: selected courses</td>
<td>Information Systems: BS</td>
</tr>
<tr>
<td>Political Science: BA</td>
<td>Philosophy: selected courses</td>
<td>Mathematics: BS</td>
</tr>
<tr>
<td>Public Administration: MPA</td>
<td>Spanish: BA and MA</td>
<td>Physics: selected courses</td>
</tr>
<tr>
<td>Psychology: BA and MA</td>
<td>Drama: selected courses</td>
<td></td>
</tr>
<tr>
<td>Social Work: BSW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology: BA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applied Arts and Sciences: BAAS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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, Criminal Justice Administration, Earth Science, Environmental Sciences, Geology, Information Systems, Kinesiology and Mathematics. The Bachelor of Applied Arts and Sciences (BAAS) is offered in Applied Arts and Sciences. The Bachelor of Fine Arts is offered in Art. The Bachelor of Social Work (BSW) is offered in Social Work.

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 249 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 240) Physical Therapy (page 241) and Physician Assistant Studies (page 246) in this catalog.

For the BA, BAAS, BFA, and BS degrees, a minimum of 120 semester credit hours is required. The BSW degree requires a minimum of 125 semester credit hours. The degrees in all majors require that at least 54 hours must be taken at the upper division (junior and senior) level except the BA in Communication and the BAAS, both of which require only 42 upper level hours. 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, a second bachelor's degree, or a concurrent second bachelor's degree; the BA in Humanities; BA in Multidisciplinary Studies; BS in Environmental Science; the BA in Art (the all level teaching certification program only), the BFA in Art, and BSW of Social Work. A minor consists of a minimum of 18 credit hours, at least nine of which must be upper division. No courses may be counted simultaneously toward the major and minor. 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 9 Arts & Science fields. The Master of Arts (MA) degree is offered in English, History, Psychology, and Spanish; the Master of Science (MS) is offered in Biology, Criminal Justice Administration, Geology and Kinesiology; and the Master of Public Administration (MPA) is offered in Public Administration under Leadership Studies. 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. Corbett F. Gaulden, Jr. - Assistant Dean and Coordinator of Graduate Business Studies
Ms. Deb Carroll, Business Academic Advisor
For Information Contact (432) 552-2170 or go by MB 2202

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

Geralyn McClure Franklin, Ph.D. (University of North Texas) has been Dean of the School of Business and Professor of Management at The University of Texas of the Permian Basin since July of 1999. Dr. Franklin has proven to be an effective leader while embracing shared governance in working with the School of Business faculty to develop and implement academic processes and procedures as well as a complete curriculum review for the AACSB International accreditation process and continuous improvement. As a faculty member, Dr. Franklin has published numerous articles on human resource management, employment law, and small business management/entrepreneurship issues in various journals including Journal of Small Business Management, Journal of Small Business Strategy, Employee Responsibilities & Rights Journal, Journal of Individual Employment Rights, Hospital & Health Services Administration, Business Horizons, Labor Law Journal, Public Personnel Management, Journal of Business & Entrepreneurship, and Business and Society Review. In addition, she has co-authored Human Resource Management (Dame Publications, 1995), Management (Dame Publications, 1997), and The Regulatory Environment of Human Resource Management (The Dryden Press/Harcourt Publications, 2002).

Corbett F. Gaulden, Jr., PhD
Assistant Dean, School of Business
Professor of Marketing

Dr. Corbett F. Gaulden, Jr. received his doctorate from Louisiana State University and came to UT Permian Basin after having served on the faculty at Arizona State University. Dr. Gaulden services as Assistant Dean of the School of Business. He teaches marketing principles, marketing management, and marketing research. Dr. Gaulden has consulting and grant experience in both the public and private sectors. His current interests are in the application of technology to business instruction and certain pedagogical areas dealing with integrated teaching paradigms and marketing theory. Dr. Gaulden thoroughly enjoys being outdoors and can be seen with binoculars (and/or camera) stalking things that live there.

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, senior, or graduate classes to be eligible for induction. Eligible students are inducted into Sigma Beta Delta in the spring of each academic year.

Programs

BBA  Accountancy
BBA  Finance
BBA  Management
BBA  Marketing
BA   Economics
BS   Industrial Technology

Requirements for the BBA Degrees, the BA Degree, and the BS Degree

A minimum of 122 semester credit hours is required for the Bachelor of Business Administration (BBA) degree in Accountancy, Finance, Management and Marketing. At least 50% of semester credit hours of upper level business coursework must be taken at U.T. Permian Basin. The Bachelor of Arts (BA) degree in Economics requires a minimum of 120 credit hours. The Bachelor of Science (BS) degrees in Industrial Technology require a minimum of 121 semester 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 or 1405) requirement by completing an application for waiver of COSC 1335. All other students must take COSC 1335 (BCIS 1305 or 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 and 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, COMM 1315 or 1321, COSC 1335 (BCIS 1305 or 1405), 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 the criteria should choose Pre-Accountancy, Pre-Finance, Pre-Management, or Pre-Marketing as their major. Prior to the completion of 72 hours of coursework that may
count towards a business major, the student must complete all the courses listed above and submit an application for full admission to the School of Business. If a student has completed 72 hours of coursework yet has not fulfilled the criteria for full admission to the School of Business, then the student will not be allowed to take any additional upper level business courses.

**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 and 1302 and speech, a mathematics sequence\(^1\) and computer literacy as required in their major as well as any specific course prerequisites.

**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**

44-47 Credits

Complete the requirements shown in the General Education Requirements section on pages 52-53 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>PSYC 1301 and/or SOCI 1301 depending upon the major selected(^2)</td>
</tr>
</tbody>
</table>

\(^1\) Specific 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.

\(^2\) Management 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>ECON 3xxx / 4xxx</td>
<td>Approved Elective Course</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>
</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.

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, 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 4321, FINA 4323, FINA 4325, FINA 4327, ACCT 3301 or ACCT 3310, ECON 3303 or ECON 4307, 6 hours 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 3315, MRKT 4312, 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 Credits

Complete the requirements shown in the General Education Requirements section on pages 52-53 of this catalog. Include the following specified courses:

- Mathematics
  - MATH 1324 & 1325 or MATH 2412 & 2413
- Social Science
  - PSYC 1301 and SOCI 1301
- Computer Science
  - COSC 1335 (BCIS 1305 or 1405)

Lower Level Courses

- ECON 2301 Principles of Macroeconomics 3
- ECON 2302 Principles of Microeconomics 3
- MNGT 2301 Introduction to Statistics 3

  9 Credits

Upper Level Courses

- ECON 3303 Intermediate Microeconomics 3
- ECON 4323 Intermediate Macroeconomics 3
- MNGT 3302 Inferential Statistics 3
- Approved ECON electives to total 12 credit hours 12
- Approved electives to total 21 credit hours 21

  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.

Requirements for the BS Degree in Industrial Technology

A minimum of 121 semester credit hours is required for the Bachelor of Science (BS) degree in Industrial Technology. All degree programs in the School of Business require a minimum of 54 upper division hours. Because all students seeking a BS 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 BS degree.
Specific Requirements for BS Degrees in Industrial Technology

General Education  

44 Credits

Complete the requirements shown in the General Education Requirements section on pages 52-53 of this catalog including the following specified courses:

Mathematics  

MATH 1324 & 1325 or MATH 2412 & 1325 or MATH 2412 & 2413 or higher

Science  

PHYS 1401 & 1402, or CHEM 1331 & 1332 or PHYS 1401 & CHEM 1331 or equivalent

Social Science  

ECON 2301 or equivalent

Lower Level Industrial Technology 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>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>
<tr>
<td>COSC 1335</td>
<td>Computers &amp; Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 2400</td>
<td>Computer Aided Design</td>
<td>4</td>
</tr>
<tr>
<td>ITEC 2401</td>
<td>AC/DC Circuits</td>
<td>4</td>
</tr>
</tbody>
</table>

23 Credits

Upper Level Industrial Technology Core Courses

All candidates for BSIT degrees must complete a basic industrial technology core of 18 credits. The basic industrial technology core provides students with a common body of knowledge in industrial technology. Students’ programs include the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MNGT 3302</td>
<td>Inferential Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 3380</td>
<td>Managing Technology</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 4380</td>
<td>Total Quality Management</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4437</td>
<td>Engineering Economics</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 3303</td>
<td>Materials and Processes of Industry</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 3305</td>
<td>Industrial Safety and Health</td>
<td>3</td>
</tr>
</tbody>
</table>

18 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.

Other Required Upper Level Courses

Required Courses beyond the BSIT core for a BS in Industrial Technology:

6 hours of ITEC 4692, and 30 hours of approved industrial technology major elective courses. 36 Credits.

BAAS Industrial Technology Option

The purpose of the Bachelor of Applied Arts and Science (B.A.A.S.) program is to offer career advancement opportunities to students who have previously earned the Associate of Applied Science (A.A.S.) degree. The BAAS degree will enhance students’ technical education and will prepare them with leadership skills relevant in their respective working environments. Read the U.T. Permian Basin catalog and be familiar with the University’s requirements for the B.A.A.S. degree in the College of Arts and Sciences Section. It is the student’s responsibility to read the catalog and be familiar with and fulfill all the requirements for the degree.
Degree Requirements

The minimum total credits required for a BAAS degree is **120**.

Specific Requirements for BAAS Industrial Technology Track

General Education Core Courses     44 Credits

General Education Requirements are 44 semester credit hours as outlined in the U.T. Permian Basin Undergraduate Catalog. In meeting these requirements, students should meet the Mathematics requirement with courses MATH 1314 & 1325 or higher. Students should meet the science requirement with physics or chemistry (PHYS 1401 & 1402 or CHEM 1331 & 1332 or equivalent).

They would include the following courses:

- ENGL 1301, 1302
- HIST 1301, 1302
- PLSC 2301, 2302
- ENGL 23xx
- PHYS 1401 & 1402 or CHEM 1331 & 1332 or PHYS 1401 & CHEM 1331 or equivalent
- Fine Arts
- Oral Communications
- ECON 2301
- MATH 1324 & 1325 or MATH 2412 & 1325 or MATH 2412 & 2413 or higher

Fifteen semester credit hours from the General Education Requirements category taken as part of the A.A.S. degree can also be applied to satisfy the University’s General Education Requirement section of the B.A.A.S degree.

Applied Arts and Science Requirements     57 Credits

- Technical Field of A.A.S. Degree 30 SCH
- Upper-Division Courses 27 Credits

The B.A.A.S will only be available to students transferring to the University with an A.A.S. degree or its equivalent. A block of 30 semester credit hours (sch) from the technical field of the A.A.S. degree will be applied to the B.A.A.S. degree. Students must complete at least 27 sch in upper division courses related to their AAS specialty.

Industrial Technology Major Courses

- ITEC 2400 Computer Aided Design
- ITEC 2401 AC/DC Circuits
- ITEC 3380 Managing Technology
- ITEC 4380 Total Quality Management
- ITEC 3303 Materials and Processes of Industry
- ITEC 3305 Industrial Safety and Health
- ITEC 3302 Metals Technology
- ITEC 3310 Machine Tool Technology
- ITEC 4301 Manufacturing Control Systems
- ITEC 4304 Instruments and Controls
- MNGT 3310 Management Concepts and Organization Theory
- MNGT 3312 Human Resource Management
- PTEC 3301 Petroleum Fundamentals
- PTEC 3302 Petroleum Measurement
- PTEC 3303 Gas (Fluid) Measurement
- PTEC 4301 Pipeline Hydraulics
- PTEC 4302 Pipeline Technology

Minor     18 Credits

B.A.A.S students must complete a minor. No more than 6 sch from the major may be used towards the minor.

Electives     1-3 Credits

In order to fulfill the 120 sch requirement for graduation, students are required to take at least one elective course.
Other Required Upper Level Courses  6 Credits

In addition, all B.A.A.S. students must complete BAAS 4393 (Senior Project) and all B.A.A.S. students will be required to have a supervised internship (ITEC 4692).

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>Hours</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>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</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. At least 50% of upper level business credit hours in the minor must be taken at U.T. Permian Basin.

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 MNGT 3324 and three hours from FINA 3320 or ECON 3322 and must complete MNGT 2301 and COSC 1335. 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. At least 50% of upper level business credit hours in the minor must be taken at U.T. Permian Basin.

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 2302, MNGT 2301, FINA 3320, FINA 4321, FINA 4323, FINA 4325, and 3 approved hours from the following: FINA 4320, FINA 4324, or FINA 4329. 21 Credits.

Economics majors selecting a Finance Minor would need to take ACCT 2301, FINA 3320, FINA 4321, FINA 4323, FINA 4325, and 3 approved hours from the following: FINA 4320, FINA 4322, FINA 4324, or FINA 4329. 18 credits.

Required Courses for Management Minor:

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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 or 1405); 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.
School of Education

Dr. G. Peter Ienatsch, Dean
Dr. Rebecca Oekerman, Assistant Dean
For Information Contact (432) 552-2120 or go by MB 3214

G. Peter Ienatsch, Ph.D.
Dean of the School of Education,
Professor of Education

Since coming to U. T. Permian Basin in 1973 from the University of Iowa, Dr. Ienatsch has been involved in many changes in teacher education and reading instruction. As Dean, he leads the largest graduate program at the University, and is very involved in statewide and local educational reform efforts and contributes to many community organizations.

Rebecca Oekerman, Ed. D.
Assistant Dean of the School of Education,
Graduate Program Head of Early Childhood,
Associate Professor of Education

Dr. Oekerman is an experienced early childhood teacher and program director. As past president of the Midland ISD Board of Trustees, she brings and educator’s perspective to that panel. Her research focuses on defining and implementing developmentally appropriate learning environments for young children.

The vision of the School of Education is a community of lifelong learners who actively reflect on the impact of their values, attitudes, beliefs, and practices.

The mission of the School of Education is to prepare pre-service and professional educators who are proactive in nurturing the lifelong development of all learners. This mission will be accomplished by:

- Facilitating the acquisition of necessary knowledge, skills, and dispositions;
- Cultivating the value of diversity;
- Encouraging collaborative inquiry, innovation, and research;
- Promoting collegiality and service in schools and communities;
- Integrating technology into practice;
- Providing opportunities for professional growth; and
- 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. 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, 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.

**Early Childhood - Grade 4**

- Generalist
- **Grades 4 - 8**
  - Generalist
  - English Language Arts/Reading
  - Social Studies
- **Early Childhood - Grade 12**
  - Art
  - **Grades 8 - 12**
  - English Language Arts & Reading
  - Computer Science
  - Chemistry
  - Spanish
  - Business Education (approval pending)
  - English as a Second Language (ESL)
- **Supplemental** (additions to a base certificate)
  - History
  - Mathematics
  - Physical Science
  - Journalism

**Undergraduate Certification**

Undergraduates seeking teacher certification earn their bachelor’s degree in an approved area while completing requirements for certification. Students 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. Although a limited number of graduate-level hours may be included, most coursework is completed at the undergraduate level.

Post-baccalaureate students are required to pass the TExES 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 Education 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 certification requirements 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 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. Satisfactory scores on reading and critical thinking tests, either the THEA (TASP) or an approved alternative. SAT, ACT, or GRE must have been taken within the past 5 years; other tests must have been taken within the past 3 years.
   a. THEA (TASP): 260 on Reading, 240 on Writing, and 240 on Mathematics.
   b. SAT: combined score of 1070 with at least 525 on both verbal and mathematics.
   c. ACT: composite score of 26 with at least 22 on both English and mathematics.
   d. COMPASS: 89 on reading, 51 on math, and 7 on writing.
   e. TAAS: 1780 on writing, 89 on reading, and 86 on math.
   f. GRE: 1050 on combined verbal and math, with at least 500 in each area.
   g. A student may request exemption, based on courses taken within the past 5 years. Exemption from the writing test requires a grade of “A” in two composition courses. Exemption from the math test requires a grade of “A” in college algebra or higher. No exemptions from the reading test 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 and transfer hours).
4. GPA of 2.75 or higher in the major and minor (or teaching 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. Certification plan, criminal history release, and degree plan filed with the Certification Office.
8. Completed application, including essay and three letters of recommendation.
9. Post-baccalaureates: Passing score on the content-area TExES.
The application materials must be submitted to the Certification Office by the following deadlines:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</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. Eligibility requires completion of all professional development and methods courses and a passing score on the appropriate content-area TExES. Undergraduates can lack no more than 6 hours plus student teaching to finish their degree. Candidates for post-baccalaureate internship must have all hours completed in the teaching 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 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 weeks. Internships are completed as a contracted teacher. Applications for admission to student teaching must be received in the Certification Office by the following dates:

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

**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 content-area and one in professional practices and pedagogy. 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 approval, demonstrate their preparedness on diagnostic tests or through satisfactory completion of an approved plan of study. Diagnostic tests are offered throughout the 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 professional practices 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 completed and the student has been admitted to the teacher preparation program. The core courses are:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 3341</td>
<td>Child &amp; Adolescent Psychology</td>
</tr>
<tr>
<td>EDUC 3352</td>
<td>The Exceptional Child</td>
</tr>
<tr>
<td>EDUC 3362</td>
<td>Foundations of Bilingualism &amp; Multiculturalism</td>
</tr>
<tr>
<td>EDUC 3370</td>
<td>Foundations of Education</td>
</tr>
</tbody>
</table>

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 with accompanying labs, including both life and physical sciences. They should plan accordingly when completing general education and elective course requirements.

EC-4 Generalist

Approved majors for this certification: Child and Family Studies, Multidisciplinary Studies, Art, Biology, English, History, Humanities, Psychology, Sociology, and Spanish.

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 4313, EDUC 4317, EDUC 4324.
* Take the appropriate diagnostic tests for the TExES prior to registration for Phase III courses.

Phase III: EDUC 4312, EDUC 4372, EDUC 4373. (Take professional practices 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

Approved majors for this certification: Child and Family Studies, Multidisciplinary Studies, Art, Biology, English, History, Psychology, Sociology, and Spanish. (The minor must be Bilingual/ESL.)

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 4313, EDUC 4329, EDUC 4317, EDUC 4315.
* Take the appropriate diagnostic tests for the TExES prior to registration for Phase III courses.

Phase III: EDUC 4312, EDUC 4363, EDUC 4372, EDUC 4373. (Take professional practices course if required.)
Take/pass TOPT and 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.

EC-4 ESL Generalist

Approved majors for this certification: Child and Family Studies, Multidisciplinary Studies, Art, Biology, English, History, Psychology, Sociology, and Spanish. (The minor must be Bilingual/ESL.)

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 4313, EDUC 4329, EDUC 4317, EDUC 4324.
* Take the appropriate diagnostic tests for the TExES prior to registration for Phase III courses.

Phase III: EDUC 4312, EDUC 4336, EDUC 4372, EDUC 4373. (Take professional practices course if required.)
* Take/pass content-area TExES. Apply for admission to student teaching.

Phase IV: EDUC 4381 (Student Teaching); EDUC 4387 (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 with accompanying labs, including life, earth, and physical sciences.

Grades 4-8 Generalist

*Approved majors for this certification: Multidisciplinary Studies, Biology, English, History, and Psychology. (The minor must be one of the other approved disciplines or Earth Science or Mathematics.)

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 prior to registration for Phase III courses.

Phase III: EDUC 4374, EDUC 4375. (Take professional practices 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

*Approved majors for this certification: Multidisciplinary Studies, Biology, History, and Psychology. (The minor must be Bilingual/ESL 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 4329, EDUC 4315, EDUC 4325.
*Take the appropriate diagnostic tests for the TExES prior to registration for Phase III courses.

Phase III: EDUC 4316, EDUC 4374, EDUC 4375. (Take professional practices course if required.)
*Take/pass TOPT and 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 ESL Generalist

*Approved majors for this certification: Multidisciplinary Studies, Biology, History, and Psychology. (The minor must be Bilingual/ESL 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 4329, EDUC 4336, EDUC 4325.
*Take the appropriate diagnostic tests for the TExES prior to registration for Phase III courses.

Phase III: EDUC 4316, EDUC 4374, EDUC 4375. (Take professional practices course if required.)
*Take/pass content-area TExES. Apply for admission to student teaching.

Phase IV: EDUC 4381 (Student Teaching); EDUC 4387 (Student Teaching); EDUC 4099 (Seminar).
*Take/pass PPR TExES if not previously taken/passed.

Grades 4-8 English Language Arts & Reading

*Approved majors for this certification: English and Humanities (English emphasis).

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 prior to registration for Phase III courses.

Phase III: EDUC 4375. (Take professional practices 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 Social Studies

Approved majors for this certification: History. (The minor must be Geography or Political Science.)

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 prior to registration for Phase III courses.

Phase III: EDUC 4375. (Take professional practices 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 English Language Arts, Reading, & Social Studies

Approved majors for this certification: English and History. (The minor must be the other discipline.)

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 prior to registration for Phase III courses.

Phase III: EDUC 4375. (Take professional practices 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

Approved majors for this certification: Biology. (The minor must be Chemistry, Earth Science, Environmental Science, or Geography.)

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 prior to registration for Phase III courses.

Phase III: EDUC 4374. (Take professional practices 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 Mathematics

Approved majors for this certification: Mathematics, or a Math teaching minor with one of these majors: Biology, English, History, Psychology, or Spanish.

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 prior to registration for Phase III courses.

Phase III: EDUC 4374. (Take professional practices 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

Approved majors for this certification: Biology with a Math minor.

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

Approved majors for these certifications: English Language Arts/Reading [English]; History [History]; Social Studies [History with minor in Political Science or Geography; Political Science with minor in History]; Mathematics [Mathematics]; Life Science [Biology]; Chemistry [Chemistry]; Physical Science [Chemistry]; Science [Biology with Earth Science minor]; Computer Science [Computer Science]; Spanish [Spanish]; Journalism [Communication]; Speech [Communication].

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 TExES prior to registration for Phase III courses.

Phase III: Methods course(s) appropriate to content area(s), e.g., EDUC 4316, EDUC 4371, EDUC 4376, etc. (Take professional practices course if required.)
*Take/pass content-area 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

Approved major for this certification: 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 4326.
*Take the diagnostic tests for the TExES prior to registration for Phase III courses.

Phase III: EDUC 4378. (Take professional practices course if required.)
*Take/pass the content-area 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

Approved major for this certification: Kinesiology.

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 TExES prior to registration for Phase III courses.

Phase III: EDUC 4332, EDUC 4333, EDUC 4334. (Take professional practices course if required.)
*Take/pass content-area 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

Approved majors for this certification: Child/Family Studies or Psychology (Special Populations minor).

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

Phase II: EDUC 4310, PSYC 4351, EDUC 4353, EDUC 4354, EDUC 4355, EDUC 4324, EDUC 4325.
*Take the appropriate diagnostic tests for the TExES prior to registration for Phase III courses.

Phase III: EDUC 4352, EDUC 4356, EDUC 4389. (Take professional practices 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 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 4317 or 4316, EDUC 4363.

English as a Second Language (supplemental)

EDUC 3362, EDUC 4329, EDUC 4317 or 4316, EDUC 4336.

Special Education (supplemental)

EDUC 3352, EDUC 4352, EDUC 4353, EDUC 4354, EDUC 4355, PSYC 4351.

Gifted and Talented (supplemental)

This supplemental certification is currently only available at the graduate level.
Roy Hurst, Ph. D.
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 currently 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

As part of their academic preparation, candidates for certification in content-area specializations must have completed the courses listed or equivalent courses approved by the faculty in the discipline(s).

Art EC-12: Complete the requirements for the BA in Art (48 semester hour plan).

Physical Education EC-12: KINE 1109 (11 activities), 1301, 2385, 3310, 3330, 3340, 3350/3151, 4300, 4310, 4330, 4340; KINE 1306 or 2370; KINE 4320 or 4350; EDUC 4332, 4333, and 4334.

English Language Arts & Reading 4-8: At least 24 semester hours at the sophomore level and above (with 6 hours at the 4000 level), including ENGL 3300; ENGL (American literature); ENGL (British literature); ENGL (fiction); ENGL (poetry); ENGL (drama); ENGL (language/rhetoric). Must also complete EDUC 3322, 4325, 4326, and 4375.

English Language Arts & Reading 8-12: At least 24 semester hours at the sophomore level and above (with 6 hours at the 4000 level), including ENGL 3300; ENGL (American literature); ENGL (British literature); ENGL (fiction); ENGL (poetry); ENGL (drama); ENGL (language/rhetoric). Must also complete COMM 2301; EDUC 4326 and 4375.

English Language Arts, Reading, & Social Studies 4-8: 24 semester hours ENGL at the sophomore level and above (with 6 hours at the 4000 level), including ENGL 3300; ENGL (American literature); ENGL (British literature); ENGL (fiction); ENGL (poetry); ENGL (drama); ENGL (language/rhetoric); ECON 2301; GEOG 1301, 1302; HIST 1301, 1302, 3350; 3341 or 3342; 3345 or 3355; PLSC 2305, 2306; 4335 or 4336; EDUC 3322, 4325, 4326, and 4375.

Social Studies 4-8: ECON 2301, 2302; GEOG 1301, 1302, 33xx; HIST 1301, 1302, 3347, 3348, 3350; 3341 or 3342; 3345 or 4355; PLSC 2305, 2306; 4335 or 4336.

Social Studies 8-12: ECON 2301, 2302; GEOG 1301, 1302, 33xx; HIST 1301, 1302; 3341 or 3342; two 2000-level non-US history courses; two upper-level non-US history courses; two 20th-Century US history courses; PLSC 2305, 2306; 4335 or 4336; 3321 or 4321.

History 8-12: Complete the requirements for the BA in History, including HIST 3350.

Mathematics 4-8: MATH 2350 or 2412, 2413, 2414, 3301, 3305, 3315, and 3350.

Mathematics 8-12: MATH 2413, 2414, 2415, 3301, 3305, 3310, 3315, and 3350.

Math & Science 4-8: MATH 2350 or 2412, 2413, 2414, 3301, 3305, 3315, 3350; BIOL 1306/1106, 1307/1107, 3372 or 3230/3231, 4340; CHEM 1311/1111; GEOL 1301/1101; PHYS 1301/1101 or GEOL 1302/1102; NTSC 4311; 3 hours of science electives.

Science 4-8: BIOL 1306/1106, 1307/1107, 3372 or 3230/3231, 4340; CHEM 1311/1111, 1312/1112; GEOL 1301/1101, 1302/1102; GEOG 3307; PHYS 1301/1101; NTSC 4311; 9-12 hours of science electives.

Science 8-12: BIOL 1306/1106, 1307/1107, 3372 or 3230/3231, 3300/3101 or 3324/3125, 4340, 4342; CHEM 1311/1111, 1312/1112, 3411/3113; GEOL 1301/1101, 1302/1102; GEOG 3307; PHYS 1301/1101 or 2325/2125, 1302/1102 or 2326/2126; NTSC 4311; 3-4 hours of science electives.

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(Biology) Life Science 8-12: BIOL 1306/1106, 1307/1107, 3300/3101 or 3324/3125, 3372 or 4372, 4340, 4342; four hours of upper level BIOL electives; CHEM 1311/1111, 1312/1112, 3411/3113; NTSC 4311.

Chemistry 8-12: Complete at least the 32 semester hours of CHEM required under Plan B; NTSC 4311.

Physical Science 8-12: CHEM 1311/1111, 1312/1112, 3411/3113, 3412/3114, 3342/3225, 4301/4103; PHYS 1301/1101 or 2325/2125, 1302/1102 or 2326/2126; NTSC 4311.

Computer Science 8-12: COSC 1430, 2430, 2420 or equivalent, 3310, 3315, 3420, and 3xxx/4xxx (elective).

Journalism 8-12: COMM 1307 or 2301, 2311, 2321, 3304, 3319, 3360, 4315, 6 elective hours in COMM.

Speech 8-12: COMM 1307, 2301, 2333, 2341, 3355, 3360, 4320, 4355, 6 elective hours in COMM.

Spanish 6-12: Complete the requirements for the BA in Spanish.

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. ExCET/TExES pre-tests may be required. Prerequisite: Admission to Teacher Certification Program or permission of instructor. FS

EDUC 3352 The Exceptional Child (3)
This course will present the pre-service 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 4201 Professionalism in the Field of Education (2)
This course is designed to prepare students to be professional educators who understand and utilize best practices. ExCET/TExES pre-tests may be required. Prerequisite: Admission to Teacher Certification Program or permission of instructor. 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. F

EDUC 4311 ECE: Social 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. TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program or permission of instructor. FS
EDUC 4312 ECE: Curriculum and Instruction (3)
This course introduces the student to strategies practiced in early childhood classrooms. Emphasis is on designing developmentally appropriate, learner-centered experiences and assessments for young children which are aligned with state standards. Field-based experience is required. TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program, EDUC 3322, EDUC 4311. FS

EDUC 4313 Emergent Literacy (3)
This course focuses on the development of literacy (reading, writing, listening, and speaking) in young children and the ways in which teachers can facilitate this development. Forms of assessment, including those which evaluate literacy development, and the use of phonics with young children are also studied. ExCET/TExES pre-tests may be required. Prerequisite: Admission to Teacher Certification Program or permission of instructor. FS

EDUC 4314 Language Development in the Young Child (3)
This course studies the nature of language and the acquisition of language by the young child. Topics included are: (1) language structure, (2) sequence and process of the acquisition of language, (3) cognitive aspects of language acquisition and implementation, (4) social aspects of language in childhood, and (5) language variation. TExES pre-tests may be required. Prerequisite: Admission to Teacher Education Program or permission of the instructor. FS

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 4th - 12th (3)
Students in this course acquire the theoretical and practical aspects of teaching a second language (written and oral) in an educational setting, including methodology and strategies for second language learners. TExES pre-tests may be required. Prerequisite: Admission to Teacher Certification Program. S

EDUC 4317 Second Language Acquisition Principles EC-4th (3)
This course focuses on the process of acquiring a second language in early childhood, including theories and stages of second language proficiency and methodology for teaching second language learners. TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program and EDUC 4314. FS

EDUC 4321 Classroom Instruction and Management: Grades 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

EDUC 4322 Classroom Instruction and Management: Grades 8-12 (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, and issues in reading and literacy for grades 4 through 8. The emphasis is on strategic reading with an introduction to process writing across the curriculum. Field-based experience is required. TExES pre-tests may be required. Prerequisite: Admission to Teacher Certification Program. S

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 First and Second Language Acquisition (3)
This course focuses on the processes of acquiring one's native language as well as a second language, including the theories, stages and connections between oral language and literacy. TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program or permission of Instructor. S

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 requirement: EDUC 4332. F

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

EDUC 4352 Collaborative Teaching 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. ExCET/TExES pre-tests may be required. Prerequisites: 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: EDUC 3352. S

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: 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: EDUC 3352. F

EDUC 4356 Behavior Management (3)
The focus of the course will be on developing behavior management strategies for individual learners who present challenging behaviors in the classroom or in community settings. This course explores strategies for behavior management, functional behavior assessment, positive behavior supports, and social skills training for exceptional learners.

EDUC 4365 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 TOPT) 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. S

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. FS

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). FS

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). 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 TExES pretests, EDUC 3322, 4329 (bilingual), 4321 or 4315. Co/Prerequisite: EDUC 4325 or 4316 (bilingual). F

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 TExES pretests, and EDUC 4322. Co/Prerequisites: EDUC 4326. F

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 TExES pretests, EDUC 4322, Co/Prerequisite EDUC 4326. S

EDUC 4379 Student Teaching: Special Education Supplement (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. 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. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4387 Student Teaching: ESL Supplement (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. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

EDUC 4388 Student Teaching: Bilingual Supplement (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. 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. 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. FS

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. 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. 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. 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. 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. 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. 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. 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. 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. Prerequisite: Admission to internship. Corequisite: EDUC 4399. May be repeated once for credit. FS
Accountancy

Dr. Wilma Dye
Associate Professor
and Coordinator of Accountancy

Dr. Wilma Dye received a doctorate in accounting from Texas Tech University while teaching at UT Permian Basin and is now associate professor of accountancy. She specialized in tax accounting in her master’s and doctorate programs and teaches tax accounting as well as several other areas of accounting. Dr. Dye has several years experience as an accountant in both private and public positions before coming to UT Permian Basin. She is active in the local chapter of the Institute of Management Accounting and is currently serving as president of the local organization. Her research interests are in pedagogical areas that incorporate the latest technology and classroom methods to better prepare students for their accounting profession.

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 44 Credits

Complete the requirements shown in the General Education Requirements section on pages 52-53 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 or 1405), 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 18 Credits

Complete the requirements shown in the Lower Level Business Courses section on page 64 of this catalog.

Upper Level Business Common Core Courses 30 Credits

Complete the requirements shown in the Upper Level Business Common Core Courses section on page 64 of this catalog.

Other Required Upper Level Courses

ACCT 3301 Intermediate Accounting I 3
ACCT 3302 Intermediate Accounting II 3
ACCT 3303 Cost Accounting Principles 3
ACCT 3305 Federal Income Tax 3
ACCT 4306 Introduction to Auditing 3
ACCT 4311 Accounting Information Systems 3
Approved 3 hour upper division ACCT elective 3
Approved 9 hours of Business electives 9

30 Credits

Accountancy Minor

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

Lower Level Courses

ACCT 2301 Principles of Financial Accounting 3
ACCT 2302 Principles of Managerial Accounting 3

6 Credits

Upper Level Courses

ACCT 3301 Intermediate Accounting I 3
ACCT 3302 Intermediate Accounting II 3
ACCT 3303 Cost Accounting Principles 3
ACCT 3305 Federal Income Tax 3

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 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.
3. Cumulative GPA of at least 3.0.
4. Completion of the GMAT. To qualify for admission, the combination of the GMAT score and cumulative GPA must be such that \( GPA \times 200 + GMAT \geq 1,120 \) (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, MATH 1325 or its equivalent. FS

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. FS

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.

ACCT 3333 Information System Fundamentals (3)
Introduction to the organizational and managerial foundations of information systems. The role of information systems in enhancing business processes and management decision making is emphasized. Students experience use of business application software in problem solving. Prerequisites: COSC 1335 (BCIS 1305 or 1405). Crosslisted with MNGT 3333. FS

ACCT 3338 Information System Applications (3)
Introduction to database design in a business framework. Students participate in a comprehensive project using knowledge, skills, and abilities acquired. Prerequisite: ACCT 3333/MNGT 3333.

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.

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.
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. F 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.

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 S

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.

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. Crosslisted with FINA 4340.

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 experience as an accounting professional that enables the student to explore career options. Internship must involve work that is substantially accounting in nature with job responsibilities similar to those that a full-time employee would face. May be taken only once for credit. Prerequisites: ACCT 3301, ACCT 3302, and either ACCT 3303 or ACCT 3305 and completed internship application form with permission of academic advisor, area coordinator, and experiential learning program coordinator.
# Degree Plan: BBA in Accountancy

## Freshman Year

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## Sophomore Year

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## Junior Year

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## Senior Year

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Applied Arts and Science

Administered by the Department of Behavioral Science within the College of Arts and Sciences.

The purpose of the Bachelor of Applied Arts and Science (B.A.A.S.) program is to offer career advancement opportunities to students who have previously earned the Associate of Applied Sciences (A.A.S.) degree. The BAAS degree will enhance students’ technical education and will prepare them with leadership skills relevant in their respective working environments. The BAAS program allows students to choose one of the four tracks that best suits their needs for professional development: Health Professions, Graphic Arts, Human & Legal Studies, and Industrial Technology.

Degree Requirements

The minimum total credits required for a degree is 120.

General Education

44 credits

Complete the requirements shown in the General Education Requirements section of this catalog, pages 52-53.

Computer Use

All majors must demonstrate a basic use of computing through completion of COSC 1335, or through examination, or through a similar computer science course that requires the actual use of computers.

Applied Arts and Science Requirements

The B.A.A.S. is available only to students transferring to the University with an A.A.S. degree or its equivalent. A block of 30 semester credit hours (sch) from the technical field of the A.A.S. degree will be applied to the B.A.A.S. degree. Fifteen additional sch from the General Education Requirements category taken as part of the A.A.S. degree can also be applied to satisfy the University’s General Education Requirement section of the B.A.A.S. degree. Students must complete at least 27 sch in courses related to their A.A.S. specialty. In addition, all B.A.A.S. students must complete BAAS 4393 (Senior Project) and all B.A.A.S. students will be required to have a supervised internship.

Minor

18 credits

B.A.A.S. students must complete a minor. No more than 6 sch from the major may be used towards the minor.

Electives

Students may need to take electives to reach the University’s semester credit hour requirements of 120 total, of which 54 must be upper level.
DEGREE PLAN: BACHELOR OF APPLIED ARTS AND SCIENCES

NAME ________________________________

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 recommended
- U.S. and State Government, 6 credits 2305, 2306
- Lab Sciences
- Mathematics stats can be used for 2nd math
- Speech
- Visual & Performing Arts.
- Social Science

SS#: ________________________________

NOTES ON GRADUATING:
1. Read the U.T. Permian Basin catalog and be familiar with the University's requirements for the B.A.A.S. degree. It is the student's responsibility to read the catalog and be familiar with and fulfill all the requirements for the degree.
2. Complete at least 120 semester credit hours for the B.A.A.S.
3. At least 42 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.A.S. degree.

TRACKS: There are four tracks available: Health Professions, Graphic Arts, Human and Legal Studies, and Industrial Technology. The B.A.A.S. will only be available to students transferring to the University with an A.A.S. degree or its equivalent. A block of 30 sch from the technical field of the A.A.S. degree will be applied to the degree. Fifteen additional semester credit hours from the General Education Requirements category taken as part of the A.A.S. degree can also be applied to satisfy the University's General Education Requirement section of the B.A.A.S. degree. Each student must complete at least 27 sch in courses related to their AAS specialty. This total may include no more than 6 sch from the department of the selected minor and should be selected from the Health Professions, Graphic Arts, Human Legal Studies, or Industrial Technology categories. In addition, all B.A.A.S. students must complete BAAS 4393, Senior Project and every student will be required to have a supervised internship. B.A.A.S. students must also complete a minor and no more than 6 sch from the major may be used toward the minor.

Health Professions Track
- Biol 3350/3151 Human Anat & Lab
- Biol 3352/3153 Human Phys & Lab
- Kine 3310 Motor Development
- Kine 3340 Anal of Human Move
- Kine 3350 Physiology Exercise
- Kine 4300 Meas Perf Sport & Exer Sci
- Kine 4350 Psychology Exercise
- Kine 4360 Exercise for Special Pop
- Kine 4362 Cardiorespiratory Phys
- Kine 4364 Exercise & Nutrition
- Psych 4304 Physiological Psych
- Psych 4305 Drugs & Behavior
- Psych 4307 Health Psychology

Graphic Arts Track
- Arts 2340 Art Hist Surv I
- Arts 2341 Art Hist Surv II
- Arts 3300 Crosscult Art
- Arts 3301 Women Artists I
- Arts 3302 Women Artists II
- Arts 3303 Amer Art Hist
- Arts 3305 Mod Hispanic Art
- Arts 4366 Senior Exhibition
- Comm 2311 Writing/Media
- Comm 2361 Media in the US
- Comm 3304 Public Mess.
- Comm 3350 Comm Theory
- Comm 4315 Comm Law
- Comm 4330 Adv Strategies
- Comm 4356 Arg & Pers
- Comm 4340 Group Leadership
- Comm 4356 Arg & Pers
- Psych 3311 Social Psych
- Psych 4306 Indus & Org Psych
- Psych 4381 Gender Psych

Human & Legal Studies Track
- Ensc 3320, Environmental Law
- Plsc 4335 Constitutional Law
- Plsc 4345 Public Policy
- Plsc 4347 Public Adm
- Lead 4370 Conflict Resolution
- Crim 4312 Crim Procedure
- Crim 4322 Legal Found/Correct
- Crim 4333 Law & Society
- Crim 4381 Ethics in CJ
- Crim 4392 Internship in CJ
- Comm 2361 Media in US
- Comm 2333 Small Group
- Comm 3355 Adv Public Speak
- Comm 3375 Political Comm
- Comm 4315 Comm Law
- PTEC 4301 Pipeline Hydraulics
- PTEC 4302 Pipeline Technology

Industrial Technology Track
- ITEC 2400 Comp Aided Design
- ITEC 2401 AC/DC Circuits
- ITEC 3380 Managing Tech
- ITEC 4380 Total Quality Mgmt
- ITEC 3303 Material/Processes Ind
- ITEC 3305 Industry Safety & Health
- ITEC 3302 Metals Tech
- ITEC 3310 Machine Tool Tech
- ITEC 4301 Manufacturing Control Sys
- ITEC 4304 Instruments & Controls
- Mngt 3310 Mngt Con & Org Theory
- Mngt 3312 Human Resource Mngt
- PTEC 3301 Petroleum Fund
- PTEC 3302 Petroleum Meas
- PTEC 3303 Gas (Fluid) Meas

BAAS 4393 Senior Project

Supervised Internship

HOURS FROM OTHER INSTITUTIONS (IF ANY):
Freshman/sophomore total: ____________________________
Junior/senior level: ____________________________
Total credits transferred: ____________________________

MINOR: 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. ____________________________

STUDENT SIGNATURE ____________________________ DATE ____________________________

ADVISOR SIGNATURE ____________________________ DATE ____________________________

UTPB 2005–2007 Undergraduate Catalog 91
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 early childhood through grade four or all-level 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 esthetics 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 three options, a major with a minor, art history, and the teacher certification program.

1. The BA with a major in Art (studio option) 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 BA with a major in Art (art history option) is designed for those students with an interest in the history of civilization as reflected in the art produced by each generation. It is a 36 semester credit hour major (minimum of 24 semester credit hours at U. T. Permian Basin) with an 18 hour minor and gives the student a broad based education in art history. It is an excellent choice for students preferring a broad liberal arts education and provides good preparation for a number of careers including museum work, writing, government, and other fields. This program may also prepare students for application to graduate school in art history.
3. The teacher certification program is designed for those students interested in a teaching career within the public or private school sector. Offering early childhood through fourth grade and all level certification it is a 36 semester credit hour major with an 18 hour minor for early childhood through fourth grade 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 BFA Art majors are required to participate in a BFA senior seminar 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. The Art History minor is 24 hours. Students are required to take Art History Survey I and II from the freshman/sophomore level and ARTS 4300, Concepts of Modern Art or ARTS 4301 Art Since 1945 or ARTS 4303 Theory & Criticism and one studio course, any level. The remaining four courses are to be selected from the junior/senior level art history groups.

The maximum requirement for the regular art major, and early childhood through fourth grade 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 52-53 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, 1311, and 1320 may be used to meet both this requirement and the general education fine arts 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

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<td>ARTS 1311</td>
<td>Two Dimensional Design</td>
<td>3</td>
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<tr>
<td>ARTS 2310</td>
<td>Figure Composition I</td>
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<td>Art History Survey I</td>
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<tr>
<td>ARTS 2341</td>
<td>Art History Survey II</td>
<td>3</td>
</tr>
</tbody>
</table>

SUBTOTAL: 18
Upper Level Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Drawing course</td>
<td>3</td>
</tr>
<tr>
<td>1 Art History course</td>
<td>3</td>
</tr>
<tr>
<td>2 Three dimensional courses</td>
<td>6</td>
</tr>
<tr>
<td>1 Painting course</td>
<td>3</td>
</tr>
<tr>
<td>1 Printmaking course</td>
<td>3</td>
</tr>
<tr>
<td>SUBTOTAL</td>
<td>18</td>
</tr>
<tr>
<td>TOTAL</td>
<td>36</td>
</tr>
</tbody>
</table>

Art History Option

The history of civilization is reflected in the art produced by each generation and gives us insight to the influences of politics, religion, and cultural attitudes. The study of art history as an option will give students the opportunity to understand the past by understanding the art of each era and its relationship to society, religion, culture, and government.

Art History is a perfect option for students preferring a broad liberal arts education and provides good preparation for a number of careers including museum work, writing, government, and other fields. The Art History option is a 36-hour major with an 18-hour minor.

REQUIRED COURSES: 36 hours

The following courses or their equivalents are required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<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>
<td>3</td>
</tr>
<tr>
<td>ARTS 3301</td>
<td>WOMEN ARTISTS I or 2-D STUDIO</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3302</td>
<td>WOMEN ARTISTS II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 4303</td>
<td>THEORY &amp; CRITICISM</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 4394</td>
<td>ART HISTORY SENIOR SEMINAR</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>21</td>
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</table>

The remaining 5 courses are to be chosen from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 3300</td>
<td>CROSS-CULTURAL ART</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3303</td>
<td>AMERICAN ART HISTORY I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3304</td>
<td>AMERICAN ART HISTORY II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3305</td>
<td>MOD HISPANIC ART &amp; ITS FOUNDNS</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3601</td>
<td>DIVERSE STUDIES ABROAD</td>
<td>6*</td>
</tr>
<tr>
<td>ARTS 4300</td>
<td>CONCEPTS IN MODERN ART</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 4310</td>
<td>ART SINCE 1945</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 4389</td>
<td>SELECTED TOPICS - LECTURE</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

*Art students taking this course may only count 3 hours towards the major requirements, the other 3 may be used as an elective.

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.

Early childhood through fourth grade: Art majors seeking early childhood through fourth grade 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

**Semester Credit Hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</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>
<td>ARTS 2310</td>
<td>Figure Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 2331</td>
<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>
<td>3</td>
</tr>
</tbody>
</table>

**SUBTOTAL:** 18

**Upper Level Requirements**

**Semester Credit Hours**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Drawing course</td>
<td>3</td>
</tr>
<tr>
<td>1 Art History course</td>
<td>3</td>
</tr>
<tr>
<td>2 Three dimensional courses</td>
<td>6</td>
</tr>
<tr>
<td>1 Painting course</td>
<td>3</td>
</tr>
<tr>
<td>1 Printmaking course</td>
<td>3</td>
</tr>
</tbody>
</table>

**SUBTOTAL:** 18

**TOTAL:** 3

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

**Semester Credit Hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</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>
<td>ARTS 2310</td>
<td>Figure Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 2331</td>
<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>
<td>3</td>
</tr>
</tbody>
</table>

**SUBTOTAL:** 18

**Upper Level Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>6</td>
</tr>
<tr>
<td>Drawing</td>
<td>6</td>
</tr>
<tr>
<td>Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>Painting</td>
<td>3</td>
</tr>
<tr>
<td>Printmaking</td>
<td>3</td>
</tr>
</tbody>
</table>

**SUBTOTAL:** 24

**Upper Level Electives**

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

**TOTAL:** 48

**Bachelor of FINE 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, 27 Credit Hours:

- ARTS 1311, Two Dimensional Design 3 credits
- ARTS 1316, Introduction to Drawing 3 credits
- ARTS 1326, Photography Fundamentals 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
- Lower Level Art Elective 3 credits
- Lower Level Art Elective 3 credits

Art History Courses, 12 credit hours:

- ARTS 4303, Theory & Criticism or ARTS 4301, Art Since 1945 3 credits

Select three courses from the following menu:

- ARTS 3300, Cross Cultural Art 3 credits
- ARTS 3301, Women Artists I 3 credits
- ARTS 3302, Women Artists II 3 credits
- ARTS 3303, American Art History I 3 credits
- ARTS 3304, American Art History II 3 credits
- ARTS 3305, Modern Hispanic Art and Its Foundations 3 credits
- ARTS 3601, Art History Studies Abroad* 6 credits
- ARTS 4300, Concepts in Modern Art 3 credits

*Art students taking this course may count only 3 hours towards the major requirements, the other 3 may be used as an elective.

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
   - BFA Seminar 3 credits

b. Electives, 21 credit hours 21 credits
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
   - BFA Seminar: 3 credits
   - ARTS 3371, Visual Communication II: 3 credits
   - ARTS 4370, Digital Imaging: 3 credits
   - ARTS 4315, Illustration: 3 credits
   - ARTS 4332, 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, Digital Video Production or COMM 4310, Multimedia Production or COMM 3380 Web Site Production: 3 credits

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

Three Dimensional Emphasis; 48 credit hours:

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

Art Minor

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower level - one of the following:</td>
<td></td>
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<tr>
<td>ARTS 2340</td>
<td>Art History Survey I</td>
</tr>
<tr>
<td>ARTS 2341</td>
<td>Art History Survey II</td>
</tr>
<tr>
<td>One of the following:</td>
<td>Semester Credit Hours</td>
</tr>
<tr>
<td>ARTS 1311</td>
<td>2-D Design or</td>
</tr>
<tr>
<td>ARTS 2331</td>
<td>3-D Design</td>
</tr>
<tr>
<td>One of the following:</td>
<td></td>
</tr>
<tr>
<td>ARTS 1316</td>
<td>Intro to Drawing or</td>
</tr>
<tr>
<td>ARTS 2310</td>
<td>Figure Composition I</td>
</tr>
<tr>
<td>Upper level:</td>
<td></td>
</tr>
<tr>
<td>ARTS</td>
<td>Any upper level course</td>
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<tr>
<td>ARTS</td>
<td>Any upper level course</td>
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<tr>
<td>ARTS</td>
<td>Any upper level course</td>
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<tr>
<td>TOTAL:</td>
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</table>
Art History Minor

Lower level

Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<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>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One studio course (any level)</td>
<td>3*</td>
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<tr>
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<td>Total</td>
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Required (one of the following)

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ARTS 4300</td>
<td>Concepts in Modern Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 4301</td>
<td>Art Since 1945</td>
<td></td>
</tr>
<tr>
<td>ARTS 4303</td>
<td>Theory &amp; Criticism</td>
<td>3</td>
</tr>
</tbody>
</table>

Select four courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 3193</td>
<td>Installation Apprenticeship**</td>
<td>1**</td>
</tr>
<tr>
<td>ARTS 3300</td>
<td>Cross Cultural Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3301</td>
<td>Women Artists I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3302</td>
<td>Women Artisis II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3303</td>
<td>American Art History I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3304</td>
<td>American Art History II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3305</td>
<td>Modern Hispanic Art &amp; Its Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3601</td>
<td>Art History Studies Abroad*</td>
<td>6*</td>
</tr>
<tr>
<td>ARTS 4389</td>
<td>Selected Topics - Lecture</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>TOTAL:</td>
<td>24</td>
</tr>
</tbody>
</table>

** Must be repeated three times for credit for the minor
* Art students taking this course may count only 3 hours towards the major requirements, the other 3 may be used as an elective.

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. F, 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, S

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 1326 Photography Fundamentals (3)
Introduction to photography as a medium for creating and documenting artwork. Laboratory experience in exposure, image processing, and printing. Digital and film techniques will be studied. Prerequisite: ARTS 1311 or permission of the instructor, may be taken concurrently with ARTS 1311. Required of all BFA majors. F

ARTS 2310 Figure Composition I (3)†
An introduction to figure drawing using academic approaches with black and white media. S
ARTS 2320 Introduction to Painting (3)
A survey of painting media, technique, and history. Includes oil, watercolor, and acrylic painting. Prerequisite: ARTS 1311 or 1316 or permission of the instructor. S

ARTS 2326 Photography I (3)
Introduction to fine art black & white film-based photography. Laboratory experience in exposure, film processing and printing black and white film negatives. Prerequisite: ARTS 1311, 1326, or permission of the instructor. S

ARTS 2331 Three-Dimensional Design (3)§
The study of three-dimensional design concepts with an emphasis on tools and materials. F

ARTS 2332 Introduction to Sculpture (3)§
A course introducing basic techniques such as carving, casting, modeling, and welding. Emphasis will be placed on understanding the concepts of line, plane, shape, volume, content, and the beginning processes and techniques that develop the building blocks for all types of sculpture. Clay, plaster, metal, and wood are materials used to help the student understand the form and content of sculpture.

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 2350 Introduction to Printmaking (3)
A survey of traditional printmaking media, technique, and history. Includes intaglio, relief, silkscreen, and lithography. Prerequisite: ARTS 1311 or ARTS 1316 or permission of the instructor.

ARTS 2360 Introduction to Ceramics (3)§
This course covers beginning ceramic construction techniques including hand building and throwing. This course is designed to introduce students to ceramics through various hand building, wheel throwing, glazing, and firing techniques in the creation of both traditional and non-traditional clay forms.

ARTS 2370 Visual Communication I (3)
An introduction to computer graphics software, and related peripherals as tools for creating expressive images in two-dimensional space. Incorporating the basic elements of design, 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 3193 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 3300 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. F '05, S '07.

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 06, 08

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. F07, F09

ARTS 3303 American Art History I (3)§
This course is a survey of the painting, sculpture, photography, architecture, and decorative arts of the United States from pre-colonization through the era of the Civil War. The subject matter concentrates 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. ARTS 2341, Art History Survey II is strongly recommended as a prerequisite.

ARTS 3304 American Art History II (3)
This course is a survey of the painting, sculpture, photography, architecture, and decorative arts of the United States from the post-bellum period to contemporary times. The subject matter will concentrate 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. ARTS 2341, Art History Survey II is strongly recommended as a prerequisite.
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 for Non-Art Majors (3)
Introduction to black & white photography. Laboratory experience in exposure, film processing, and printing black and white film negatives. An upper level elective open to juniors and above. Prerequisite: ARTS 1311 or permission of the instructor. (Not for Art Majors) S

ARTS 3327 Photography II (3)
Intermediate fine art black & white film photography. Laboratory experience in exposure, film processing, and printing black and white film negatives. Emphasis is on enhanced control of exposure, developing, and printing techniques. Prerequisite: ARTS 1311, 1316, 2310, 2331, 2340, and 2341, or permission of the instructor. Summer ‘05, ‘07.

ARTS 3328 2-D Animation (3)
An exploration of computer graphics software, hardware, and related peripherals as well as traditional and hybrid techniques as tools to create two-dimensional animations. Students will use a variety of 2D software applications to learn problem-solving techniques from concept through production. Prerequisite: ARTS 1311, 1316, 2310, 2331, 2340, and 2341, or permission of the instructor. F ‘06, ’08.

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. 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.)

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. 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.

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 ’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. F06

ARTS 3380 Web Site Production (3)
This course covers the design, organization, and creation of web sites based on traditional principles of graphic design and visual communication. Emphasis is placed on good usability and accessibility for the target audience. Prerequisite: ARTS 1311, 1316, 2310, 2331, 2340, 2341, and 2370 or permission of the instructor. S'07.

ARTS 3385 3D Digital Modeling (3)
An exploration of three-dimensional computer graphics software to create static 3D designs. Students will use 3D software in a studio lab environment to solve visual communications problems from concept through production. Prerequisite: Visual Art core (ARTS 1311, 1316, 2310, 2331, 2340, and 2341), 2370, or permission of instructor. F

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. F

ARTS 3601 Art History Studies Abroad (6)
The study of art history through travel in various foreign countries. Art majors and minors may count only three hours towards the art history requirement, the other three hours may be used as art electives. The course may be repeated once. Maymester.

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. S'07

ARTS 4302 History of African American Art (3)
This course is a survey of the arts of African Americans in the United States. It covers the portrayal of African Americans as well as a chronological study of the contributions African Americans artists have made to the overall arts of this country.

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. 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. F06, '08.

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 '07

ARTS 4329 Topics in Advanced Photography (3)*
A course that presents a variety of advanced film-based photographic techniques. Instruction may include medium and large format photography, color, alternative techniques, archival issues, and professional presentation methods. May be repeated for credit twice. Prerequisite: ARTS 1311, 1316, 2310, 2331, 2340, 2341, 2326, 3327, or permission of the instructor. Summer '06, '08.

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.

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. 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. F05

ARTS 4333 Advanced Sculpture (3)*
A course allowing students to develop advanced technical knowledge in a variety of sculptural media while addressing concepts in contemporary sculpture. Prerequisites: ARTS 2331, ARTS 3331, or permission of the instructor.

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.

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. 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.

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. 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. 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 and 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 '07.

ARTS 4365 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. 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. S ’06, ’08.

ARTS 4385 3D Animation (3)
An exploration of three-dimensional computer graphics software, as well as more traditional and hybrid techniques, to create 3D animations. Students will use 3D software in a studio lab environment to solve visual communications problems from concept through production. Prerequisites: Visual Art core (ARTS 1311, 1316, 2310, 2331, 2340, and 2341), 2370, 3328, 3385, or permission of the instructor. F

ARTS 4389 Selected Topics-Lecture (3)
The study of various topics not regularly offered.

ARTS 4391 Contract Study (3)
A course for independent study in an area with instructor supervision when other options are not available. Prerequisite: Permission of the instructor.

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. F,S

ARTS 4393 BFA Seminar (3)
A culminating experience covering topics relating to professional post graduate practices: graduate school requirements, documentation of work, portfolios, competitions, exhibition installation, resumes, artist’s statements, and other related professional concerns. Prerequisite: Senior status, BFA majors only. F,S

ARTS 4394 Art History Senior Seminar (3)
An advanced course for students whose concentration within the Art Major is Art History. The course is designed to enable students to prepare for graduate school or a professional post-graduate degree. There will be an emphasis on methodology as each student will identify a special topic and prepare a formal paper that could be presented at an Art History conference. The course will take the form of a seminar with the professor as guide, resource, and mentor. Prerequisites: ARTS 2340, 2341, 3301 or 3302, 4303, 15 hours of upper level art history courses, senior status in art history option or permission of the instructor.

* Course may be repeated twice.
† Course fulfills general education requirements.
DEGREE PLAN: BA IN ART

[ ] Art History option
[ ] 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

Required courses:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credit</th>
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<tbody>
<tr>
<td>3-D Design</td>
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<tr>
<td>Art History Survey I</td>
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</tr>
<tr>
<td>Art History Survey II</td>
<td>3</td>
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<tr>
<td>2-D Studio</td>
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<tr>
<td>3-D Studio</td>
<td>3</td>
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<tr>
<td>ARTS 3301 Women Artists I or ARTS 3302 Women Artists II</td>
<td>3</td>
</tr>
<tr>
<td>Theory &amp; Criticism</td>
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<tr>
<td>ARTS 4394 Art History Senior Seminar</td>
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The remaining 5 courses are to be chosen from the following:

<table>
<thead>
<tr>
<th>Course number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ARTS 3300</td>
<td>Cross-Cultural Art</td>
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<tr>
<td>ARTS 3303</td>
<td>American Art History I</td>
</tr>
<tr>
<td>ARTS 3304</td>
<td>American Art History II</td>
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<tr>
<td>ARTS 3305</td>
<td>Mod Hisp Art &amp; Its Fndns</td>
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<tr>
<td>ARTS 3601</td>
<td>Diverse Studies Abroad</td>
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<tr>
<td>ARTS 4300</td>
<td>Concepts in Modern Art</td>
</tr>
<tr>
<td>ARTS 4301</td>
<td>Art Since 1945</td>
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<tr>
<td>ARTS 4389</td>
<td>Selected Topics-Lecture</td>
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General Education Requirements

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<tr>
<td>Computer Use</td>
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</table>

Minor

Freshman/Sophomore Level Classes

| Subject | Course# | Credit |

| Junior/Senior Level Courses

| Subject | Course# | Credit |

Competition:
# 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 120-131 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 - 27 hours**

<table>
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<tr>
<th>Subject</th>
<th>Course#</th>
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<tr>
<td>Intro. to Drawing</td>
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<td>2-D Design</td>
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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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<tr>
<td>Photography Fundamentals</td>
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**Upper Level Art History Courses - 12 hours**

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<tr>
<th>Subject</th>
<th>Course#</th>
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<tbody>
<tr>
<td>Theory &amp; Criticism or Art Since 1945</td>
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**Junior/Senior Major Requirements - 24-27 credits**

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<tr>
<th>Subject</th>
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<tbody>
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<td>BFA Seminar</td>
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<td>Competition Competition</td>
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**General Education Requirements - 44 hours**

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**Junior/Senior Art Electives 9-21 hours**

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**Other Electives**

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UTPB 2005–2007 Undergraduate Catalog 105
DEGREE PLAN: BFA IN ART

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 120-131 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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Upper Level Art History Courses - 12 hours

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<td>Vis. Comm. II</td>
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<td>Digital Imaging</td>
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<td>Comm. 4330 or</td>
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<td>Comm. 4356</td>
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Upper Level Electives - 9 hours

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TExES/ExCET Requirements

Candidates for TExES tests in Art must have completed the courses listed for each area below (or equivalent courses).

Art (All Level): ARTS 1311, 1316, 2310, 2331, 2340, 2341, 3310, 3303, 3331, 3341, 3350, 4300, 4310, and 6 hours of ARTS electives with ARTS 3300 and 3326 highly recommended.
Bilingual/English as a Second Language

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. 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 community resource person. She is also interested in elementary education and reading.

(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 not including a course taken for that major
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 3311, PSYC 3341, SOCI 4320, SPAN 3378*, or COMM 4308.

*These courses require proficiency in Spanish. See the course descriptions for pre-requisites.

**Consult School of Education Advisor
Biology

Douglas p. Henderson, PhD
Associate Professor of Biology

Dr. Henderson is 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 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.*

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 Pre-professional 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, general education, and the support and Science & Mathematics requirements on the Biology degree plans 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, Pre-professional Plan**

The Pre-professional 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 Pre-professional Plan should complete the requirements in the General Education Requirements section on pages 52-53 of this catalog, including the following specific courses.

- Calculus I and II, MATH 2413 and MATH 2414
- General Chemistry I and II, CHEM 1311-1111 and CHEM 1312-1112

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Computer Use

All pre-professional majors must demonstrate a basic use of computing through the completion of COSC 1335.

Supporting Requirements, Pre-professional 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, Pre-professional Plan

Students majoring in Biology on the Pre-professional 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 on the Pre-professional degree plan 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 52-53 of this catalog, including the following specific courses:

- General Chemistry I and II, CHEM 1311-1111 and CHEM 1312-1112

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, Environmental 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 Pre-professional 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 4340** 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

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**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 52-53 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 1314, MATH 1350, and MATH 2350** (EC-4 can substitute MATH 3301 or PSYC 3301 for MATH 2350)
- **CHEM 1311-1111 and CHEM 1312-1112**
- **College Algebra, Foundations of Elementary Mathematics I and II** (EC-4 can substitute Statistics or Introductory Statistics for Elementary Mathematics II)
- **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 Pre-professional 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 4340 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 3332-3153, Human Physiology with lab; or BIOL 4354, Animal Behavior.

General Studies

Students not in either the Pre-professional or Teacher Certification Plan may opt to complete a more flexible degree plan in General Studies. This plan is suitable for students interested in positions in business, industry, or government where a B.S. in Biology may be required or recommended. The General Studies plan 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 4340 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 1311-1111, 1312-1112; 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, Environmental Science, 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 4340 Genetics
- 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 1311-1111 and CHEM 1312-1112, 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 Requirements**

Candidates for TExES 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 1311-1111 and 1312-1112; NTSC 4311; and 3 or 4 hours biology electives.

Candidates for TExES 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, 4340; 4342; BIOL 3372 or 3230/3231; BIOL 3300/3101 or 3324/3125; CHEM 1311/1111, 1312/1112, 3411/3113; GEOG 3307, GEOL 1301/1101, 1302/1102; PHYS 1301/1101 and 1302/1102 or PHYS 2425 and 2426; NTSC 4311; and 3-4 hours of science electives.

Candidates for TExES 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 1311/1111, 1312/1112; GEOL 1301/1101, 1302/1102; GEOG 3307; PHYS 1301/1101; NTSC 4311; and 9-12 hours of science electives (ASTR 1301 recommended).

Candidates for TExES 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 1311/1111; GEOL 1301/1101; PHYS 1301/1101 or GEOL 1302/1102; 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

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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 1311-1111, 1312-1112. S

BIOL 3101 Microbiology Laboratory (1)
Techniques for the study of microorganisms. Corequisite: BIOL 3300. S

BIOL 3197 Pre-professional Seminar (1)
Course provides a mechanism to disseminate information to students interested in doctoral-level professional programs, including opportunities for interactions, small group discussions, and visits by representatives of health science centers. F

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. F

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 3111 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 1311-1111, 1312-1112; MATH 2412. S

BIOL 3125 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 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 1311-1111, CHEM 1312-1112 recommended. S

BIOL 3153 Human Physiology Laboratory (1)
Physiological studies illustrating properties and functions of human cells, tissues and systems. Co requisites: 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. 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 3389 Multicourse Listing (3)
Undergraduate course which will be offered infrequently or which is being developed before the regular course is listed in the catalog.

BIOL 4272 Field Biology (2)
An introduction to ecological methodology. Prerequisites or corequisites: BIOL 4372 or BIOL 3372. 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. F '05

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 (3)
Structure and function of the mammalian immune system. Prerequisite: BIOL 3300-3101, BIOL 4320 and BIOL 4340. Offered alternate years. F '06

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 1311-1111, 1312-1112. Recommended: BIOL 4340, 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. F S

BIOL 4141 Genetics Laboratory (1)
Laboratory experiences in manipulation of genetic systems and interpretation of data. F S

BIOL 4342 Evolution (3)
Population variation and mechanism of evolution and speciation. Prerequisite: BIOL 4340 passed with a grade of C or better. F 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 1311-1111, 1312-1112. 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 4340 Offered in alternate years. F

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 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. F S

† Course fulfills general education requirements.
### DEGREE PLAN: BS IN BIOLOGY

**Pre-Professional Plan**

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**MAJOR: BIOLOGY, ≥ 36 hrs. total, ≥ 28 hrs. upper level**

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**SUPPORT REQUIREMENTS FOR BIOLOGY MAJOR**

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**SCIENCE & MATHEMATICS DEPARTMENTAL REQUIREMENTS**

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**MINOR:** ≥ 18 hrs. total, ≥ 12 hrs. upper level

(refer to Discipline specifications)

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**TOTAL HOURS**

≥120  
≥54
# DEGREE PLAN: BS IN BIOLOGY

## General Studies Plan

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## GENERAL EDUCATION CORE

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## SUPPORT REQUIREMENTS FOR BIOLOGY MAJOR

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## MAJOR: BIOLOGY, ≥ 36 hrs. total, ≥ 24 hrs. upper level

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## MINOR: ≥ 18 hrs. total, ≥ 12 hrs. upper level

(refer to Discipline specifications)

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## TOTAL HOURS

≥120          ≥54
### DEGREE PLAN: BS IN BIOLOGY

**EC-Grade 4 Generalist Certification**

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| MAJOR: BIOLOGY, EC-4 Generalist Certification, ≥ 26 hrs. total, ≥ 18 hrs. upper level |
|-----------------------------------------------|------------------|----------|----------|
| General Biology I                            | BIOL 1306/1106  | 4        |          |       |
| General Biology II                           | BIOL 1307/1107  | 4        |          |       |
| Genetics                                      | BIOL 4340       | 3        | 3        |       |
| Evolution                                    | BIOL 4342       | 3        | 3        |       |
| Principles of Ecology                        | BIOL 3372       | 3        | 3        |       |

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<td>Botany</td>
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**Education Core (12 sch)**

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**Content Area Methods (6 sch)**

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**TOTAL HOURS**

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UTPB 2005–2007 Undergraduate Catalog 117
## DEGREE PLAN: BS IN BIOLOGY

Certification Grade 4-8 Generalist

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<td></td>
<td></td>
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<td>(refer to Discipline specifications)</td>
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<td><strong>EDUCATION COURSES, Grade 4-8 Generalist</strong></td>
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<td>Note: Consult certification advisor for further information</td>
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<tr>
<td>Education Core (12 sch)</td>
<td>PSYC 3341</td>
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<td>Child Psychology</td>
<td>EDUC 3352</td>
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<td>The Exceptional Child</td>
<td>EDUC 3362</td>
<td>3 3</td>
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<tr>
<td>Bilingual/Multicultural Ed</td>
<td>EDUC 3370</td>
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<td>Foundations of Education</td>
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<td>Dev Reading Strategies Class Lit</td>
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<td>or Reading/Lit Content Area</td>
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<td><strong>TOTAL HOURS</strong></td>
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# DEGREE PLAN: BS IN BIOLOGY

## Certification Grade 8-12 Specialist

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<tr>
<th>Course</th>
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<th>Upper Level</th>
<th>Semester</th>
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<tr>
<td>Composition I</td>
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<td>Composition II</td>
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<td>US History II</td>
<td>HIST 1302</td>
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<td>Govt., Amer. &amp; State II</td>
<td>PLSC 2306</td>
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<td>Literature (2000 level)</td>
<td>ENGL 23</td>
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<tr>
<td>Social or Behavioral Science</td>
<td>COMM 1315</td>
<td>3</td>
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<tr>
<td>Communication</td>
<td>3</td>
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<td>Visual or Performing Arts</td>
<td>3</td>
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<td><strong>MAJOR: BIOLOGY, Certification Grade 8-12, ≥ 30 hrs. total, ≥ 22 hrs. upper level</strong></td>
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<td>General Biology I</td>
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<td>General Biology II</td>
<td>BIOL 1307/1107</td>
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<td>Micro- or Cell Biology</td>
<td>BIOL 3300/1 or 3324/5</td>
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<td>Genetics</td>
<td>BIOL 4340</td>
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<td>Evolution</td>
<td>BIOL 4342</td>
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<td>Principles of Ecology</td>
<td>BIOL 3372</td>
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<td><strong>CHOOSE AMONG THE FOLLOWING AS ELECTIVES TO COMPLETE THE MAJOR:</strong></td>
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<td>Botany</td>
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<td>Human Anatomy</td>
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<td>Human Physiology</td>
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<td>Animal Behavior</td>
<td>BIOL 4354</td>
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<td><strong>SUPPORT REQUIREMENTS FOR BIOLOGY, Certification Grade 8-12 Specialist</strong></td>
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<tr>
<td>Computer Programming</td>
<td>COSC 1335</td>
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<tr>
<td>Mathematics</td>
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<td>Calculus I</td>
<td>MATH 2413</td>
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<td>Calculus II</td>
<td>MATH 2414</td>
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<td>College Algebra</td>
<td>MATH 1314</td>
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<tr>
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<td>General Chemistry I</td>
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<td>General Chemistry II</td>
<td>CHEM 1312/1112</td>
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<td>Organic Chemistry I</td>
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<tr>
<td>Natural Science Capstone</td>
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<tr>
<td><strong>MINOR:</strong></td>
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<tr>
<td>(refer to Discipline specifications)</td>
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<tr>
<td>Lower Level:</td>
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## EDUCATION COURSES, Certification, Grade 8-12 Specialist

Note: Consult certification advisor for further information

<table>
<thead>
<tr>
<th>Course</th>
<th>SCH</th>
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<tbody>
<tr>
<td>Education Core (12 sch)</td>
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<tr>
<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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<td>Bilingual/Multicultural Ed</td>
<td>EDUC 3362</td>
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<td>Foundations of Education</td>
<td>EDUC 3370</td>
<td>3</td>
<td>3</td>
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<tr>
<td><strong>Literacy and Pedagogy (6 sch)</strong></td>
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<tr>
<td>Class Instruction &amp; Mgmt</td>
<td>EDUC 4322</td>
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<tr>
<td>Read &amp; Lit in Content Area</td>
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<td>EDUC 4376</td>
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<td><strong>Student Teaching (6 sch)</strong></td>
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<td>Student Teaching, 8-12</td>
<td>EDUC 4685</td>
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<td><strong>TOTAL HOURS</strong></td>
<td></td>
<td>≥120</td>
<td>≥54</td>
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</table>

UTPB 2005–2007 Undergraduate Catalog 119
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 Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACCT 2301</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
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<tr>
<td>ACCT 2302</td>
<td>Principles of Managerial Accounting</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>
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<tr>
<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
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. At least 50% of semester credit hours of upper level business coursework must be taken at U.T. Permian Basin.

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 an 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 MNGT 3324 and three hours from FINA 3320 or ECON 3322 and must complete MNGT 2301 and COSC 1335 (BCIS 1305 or 1405). The Certification Officer should be consulted for additional information about preparation for teaching business administration.
Chemistry

J. Michael Robinson, PhD
Ellen and Bill Noel Distinguished Professor for Energy Research,
Professor of Chemistry
Professor of Chemistry and Ellen and Bill Noël Distinguished Professor
for Energy Research.
BS, MS, Louisiana Technological University; PhD (1973), Louisiana
State University.

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

Complete the requirements shown in the General Education Requirements section on pages 52-53 of this catalog including the following specific courses.

| Mathematics | MATH 2413, 2414 | 8 sch |
| Physics     | PHYS 2425, 2426 | 8 sch or PHYS 1401, 1402 |

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.

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>Course Code</th>
<th>Description</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHEM 1311-1111, 1312-1112</td>
<td>General CHEM</td>
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<tr>
<td>CHEM 3411-3113, 3412-3114</td>
<td>Organic CHEM</td>
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<td>CHEM 3324-3225</td>
<td>Analytical CHEM</td>
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<td>CHEM 3695</td>
<td>CHEM Research</td>
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<tr>
<td>CHEM 4301-4103, 4302-4104</td>
<td>Physical CHEM</td>
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<td>CHEM 4389-4189</td>
<td>NMR Spect.</td>
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<td>CHEM 4374-4174</td>
<td>Adv. Inorganic CHEM</td>
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<td>CHEM 4340</td>
<td>Medicinal CHEM</td>
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<td>Total:</td>
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<td>44 sch</td>
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**Minor or Second Major Requirements**

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 typically pursuing a major in another area of science or math. 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 with at least 12 sch at the upper level.

**Required Courses**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credit Hours</th>
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<tr>
<td>CHEM 1311-1111, 1312-1112</td>
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<tr>
<td>CHEM 3411-3113, 3412-3114</td>
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<tr>
<td>CHEM 3324-3225</td>
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<td>Total:</td>
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**Chemistry as a Teaching Field Requirements**

A teaching field in Chemistry requires the completion of at least the 32 sch major (Plan B).

Substitution of any courses must be cleared through the Chemistry faculty.

**TExES/ExCET Requirements**

Candidates for TExES/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 1311/1111, 1312/1112, 3324/3225, 3411/3113, 3412/3114, 4301/4103; PHYS 2425, 2426; NTSC 4311; 3 hours of science electives.

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 3324/3215, 3372, 4340, 4342; CHEM 1311/1111, 1312/1112; NTSC 4311; 4 hours biology electives.

Candidates for TExES/ExCET tests in 8-12 Science must have completed the courses listed for each area below or equivalent courses.

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8-12 Science: BIOL 1306/1106, 1307/1107, 4340, 4342; BIOL 3372 or 3230/3231; BIOL 3300/3101 or 3324/3125; CHEM 1311/1111, 1312/1112, 3411/3113; GEOL 1301/1101, 1302/1102; GEOG 3307; PHYS 1301/1101 and 1302/1102 or PHYS 2425 and 2426; NTSC 4311; 3-4 hours of science electives.

Candidates for TExES/ExCLE 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 1311/1111, 1312/1112; GEOL 1301/1101, 1302/1102; GEOG 3307; PHYS 1301/1101; NTSC 4311; and 9-12 hours of science electives.

Candidates for TExES/ExCLE 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 1311/1111; GEOL 1301/1101; PHYS 1301/1101 or GEOL 1402; NTSC 4311; 6 hours of science electives.

Course Listing

CHEM 1311 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. F5

CHEM 1111 General Chemistry Lab I (1)†
Experiments related to principles and topics covered in CHEM 1311. Corequisite: CHEM 1311. F5

CHEM 1312 General Chemistry II (3)†
Continuation of Chem 1311. Kinetics, equilibria, thermodynamics, electrochemistry, environmental chemistry, nuclear chemistry, and organic chemistry. Prerequisite: CHEM 1311 and 1111 both with C grade or higher. S, Summer

CHEM 1112 General Chemistry Lab II (1)†
Experiments related to principles and topics covered in CHEM 1312. Prerequisite: CHEM 1311 and 1111 both with C grade or higher. Corequisite: CHEM 1312. 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 1312-1112 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 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 3114 Experimental Organic II (1)
Continuation of CHEM 3113; 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 3695 Intro to Research (Available for up to 6 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 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 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 4302 Physical Chemistry II (3)
Kinetics, quantum mechanics, bonding and molecular spectroscopy. Prerequisite: CHEM 4301. S

CHEM 4104 Experimental Physical Chemistry II (1)
Continuation of CHEM 4103. Prerequisite: CHEM 4103. Corequisite or prerequisite: CHEM 4302. 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

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<tr>
<th>Lower Level</th>
<th>Upper Level</th>
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## GENERAL EDUCATION REQUIREMENTS:
- English Composition: ENGL 1301 & 1302  
- U.S. History: HIST 1301 & 1302  
- U.S. & State Government: PLSC 2305 & 2306  
- Literature: ENGL 2322, 2323, 2327, or 2328  
- Social Science: PSYC, SOCI 1301, ECON 2301  
- Communication: COMM 1315  
- Fine Arts: ARTS 1301, MUSI 1306, DRAM 2301

## COMMON CORE & CHEMISTRY REQUIREMENTS:
- MATH 2413 & MATH 2414 (Calculus I & II)  
- PHYS 2325/2125 & 2326/2126 (or 1301/1101, 1302/1102)

## DEPARTMENT CORE REQUIREMENTS:
- COSC 1301 or 1335 (Computer Science)  
- NTSC 4311 (Capstone)

## MAJOR CHEMISTRY COURSES: 44 sch total, 26 sch upper
- CHEM 1311/1111 & 1312/1112, General Chemistry  
- CHEM 3411/3113 & 3412/3114 Organic Chemistry  
- CHEM 3324/3225 Analytical Chemistry  
- CHEM 4301/4103 & 4302/4104 Physical Chemistry  
- CHEM 3695 Research

## ADVANCED CHEMISTRY ELECTIVES (12sch):  
- CHEM 4340, Medicinal Chemistry  
- CHEM 4389 & Lab, NMR Spectroscopy  
- CHEM 3695 Research  
- CHEM 4374/4175 Advanced Inorganic Chemistry

## MINOR:  (18 total, 12 upper level)
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.

## TRANSFER or OTHER SCH Not Listed Above
- Lower level:  
- Upper level:  

## TOTAL SCH (PLAN: 120 SCH With 54 Upper Level)  

UTPB 2005-2007 Undergraduate Catalog  
125
### DEGREE PLAN: BS IN CHEMISTRY-PLAN B

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#### GENERAL EDUCATION REQUIREMENTS:
- **English Composition**: ENGL 1301 & 1302 6
- **U.S. History**: HIST 1301 & 1302 6
- **U.S. & State Government**: PLSC 2305 & 2306 6
- **Literature**: ENGL 2322, 2323, 2327, or 2328 3
- **Social Science**: PSYC, SOCI 1301, ECON 2301 3
- **Communication**: COMM 1315 3
- **Fine Arts**: ARTS 1301, MUSI 1306, DRAM 2301 3

#### COMMON CORE & CHEMISTRY REQUIREMENTS:
- **MATH 2413** & **MATH 2414 (Calculus I & II)** 8
- **PHYS 2325/2125 & 2326/2126 (or 1401,1402)** 8

#### DEPARTMENT CORE REQUIREMENTS:
- **COSC 1301** or **1335 (Computer Science)** 3
- **NTSC 4311 (Capstone)** 3

#### MAJOR CHEMISTRY COURSES: 32 sch total, 24 sch upper
- **CHEM 1311/1111 & 1312/1112, General Chemistry** 8
- **CHEM 3411/3113 & 3412/3114 Organic Chemistry** 10
- **CHEM 3324/3225 Analytical Chemistry** 5
- **CHEM 4301/4103 Physical Chemistry** 4
- **CHEM 3695 Research** 1

#### ADVANCED CHEM ELECTIVES (4 SCH)

#### 2ND MAJOR:
30 total, 22 upper level (approx)

#### EDUCATION:

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**TOTAL SCH (PLAN: 120 SCH With 54 Upper Level)** 65 55
## PRE-PHARMACY PLAN:

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<td>Physics I &amp; II: PHYS 1401*, 1402 or 2425*, 2426</td>
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<td>Computer Science: COSC 1335</td>
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<td><strong>Required CHEM/BIOL/PSYC COURSES (35 sch):</strong></td>
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<td>Organic Chemistry I &amp; II with lab: CHEM 3411/3113, 3412/3114</td>
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<td><strong>TOTAL SCH:</strong></td>
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* Used in calculation of Pre-Pharmacy grade point average (PGPA) at TTHSC
Child and Family Studies

Spencer K. Thompson, PhD
Associate Professor of Psychology

Dr. Thompson came to UT Permian Basin from the doctoral program at UCLA and services coordinator of the psychology faculty. He teaches in the area of developmental psychology, socialization processes, family dynamics, and research methods. His research is in general role development, adolescent to adulthood transitions, and family socialization effects. He is very active in professional organizations and graduate training.

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 or the education courses that are part of the Associate of Arts in Teaching degree. The four TECA courses that will be incorporated in the program’s coursework include: TECA 1303 Families, School, and Community; TECA 1311 Educating Young Children; TECA 1318 Wellness of the Young Child; and TECA 1354 Child Growth and Development. The education courses are EDUC 1301, Introduction to the Teaching Profession, and EDUC 2301, Introduction to Special Populations.

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 52-53 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 or CHLD 3404.

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 4310 or CHLD 3352 or PSYC 4341
- CHLD 4314
- CHLD 3349 or CHLD 4320
- CHLD 4303 or CHLD 3404

Students must choose a “track” and take 4 courses from that track. The “track” courses include:

Learning and Development:
- CHLD 4311 (Required)
- CHLD 3342 or CHLD 3310 or TECA 1311**
- CHLD 4381 or CHLD 3390 or TECA 1303**
- CHLD 4310 or EDUC 2301**

Social Agencies:
- CHLD 4399 (Required)
- CHLD 4320 or CHLD 3349 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 3343 or CHLD 4381 or CHLD 4370
- CHLD 3311 or CHLD 4312 or CHLD 4307 or CHLD 3321 or TECA 1318**
- COSC 1335 or CHLD 4351 or CHLD 4389

** Texas Early Childhood Articulated (TECA) courses and education (EDUC) courses that are part of the Associate of Arts in Teaching are, 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, by EDUC courses that are part of the Associate of Arts in Teaching degree, 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 3 science courses with a lab. They should plan accordingly when meeting general education and elective course requirements.

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. FS

CHLD 3341 Child/Adolescent Psychology (3)
Developmental aspects of physical, mental, social and emotional growth from prenatal through adolescent periods. Recommended: PSYC 1301. FS

CHLD 3342 Development of Creativity (3)
This course focuses on understanding creativity and the development of skills to assist and encourage young children to express their creative natures. Planning and production of materials that enhance creativity in self-expressive thought and play are emphasized. Prerequisite: PSYC 3341 and Visual/Performing core credit. FS

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 3349 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.

CHLD 3352 The Exceptional Child (3)
This course presents the preservice teacher with a general overview of exceptionalities of children and youth to include characteristics, etiology, and education programs and practices. Topics 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

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
CHLD 3404 Experimental Psychology (4)
Introduction to the planning and execution of psychological research. Prerequisites: PSYC 1301, CHLD 3301. FS

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 Social 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. Prerequisite: Admission to Teacher Certification Program or permission of instructor. FS

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 4314 Language Development in the Young Child (3)
This course studies the nature of language and the acquisition of language by the young child. Topics included are: (1) language structure, (2) sequence and process of the acquisition of language, (3) cognitive aspects of language acquisition and implementation, (4) social aspects of language in childhood, and (5) language variation. Prerequisite: Admission to Teacher Education Program or permission of the instructor. FS

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 First and Second Language Acquisition (3)
The course focuses on the processes of acquiring one's native language as well as a second language, including the theories, stages, and connection between oral language and literacy. Prerequisites: admission to Teacher Education Program or permission of Instructor. F, S

CHLD 4351 Tests and Measurement (3)
Major personality and intelligence tests, emphasis upon their construction, administration, scoring and interpretation. Prerequisites: PSYC 1301, CHLD 3301. S

CHLD 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. F05

CHLD 4381 Gender Studies (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.

CHLD 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

CHLD 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. FS

CHLD 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. FS

UTPB 2005–2007 Undergraduate Catalog
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 recommended
- U. S. and State Government, 6 credits 2305, 2306
- Lab Sciences, 8 credits (2 courses)
- Mathematics (college algebra or above), 3 credits
- Statistics (CHLD 3301), 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 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 (cannot be used for GenEd)
- CHLD 3341 Child/Adolescent OR TECA 1354 Child Growth & Development **
- CHLD 3349 Child in Society OR CHLD 4320 Social Stratification
- CHLD 4314 Language Development in Young Children
- CHLD 4310 Early Intervention OR PSYC 4341 Exceptional Child or CHLD 3352 Exceptional Child
- CHLD 4303 Social Research Methods OR CHLD 3404 Experimental Psychology (Statistics is a prerequisite for this course.)

**TECA courses and EDUC 2301 are available only 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

Choose one course from each group

Social Agencies Track
Required: CHLD 4399

Choose one course from each group

Applied Research Track
Required: CHLD 4391

Choose one course from each group

Development
CHLD 3342 or CHLD 3310 or TECA 1311 **

Theoretical Focus
CHLD 4320 or CHLD 3349 or CHLD 3390 or CHLD 4389

Social Work Focus
CHLD 3380 or CHLD 4321 or ACCT 2301 or COSC 1335

Psychological Studies
CHLD 3311 or CHLD 4311 or CHLD 4307 or
CHLD 3321 or TECA 1318 **

Exceptionalities
CHLD 4310 or EDUC 2301 **

Special Topics Focus
CHLD 4381 or CHLD 4307 or CHLD 4370 or TECA 1318 **
or EDUC 2301 **

Research Studies
CHLD 4351 or CHLD 4389 or COSC 1335

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 Psychology or Sociology. 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. ________________________________
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 directly applicable 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 in the Visual Communication sequence should enroll in ARTS 1301 to satisfy the General Education fine arts requirement. Students are encouraged to discuss options with their advisor.

Computer Use

It is expected that all 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
   • ARTS 2370, Visual Communication I
   • ARTS 3300, Cross Cultural Art
   • 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 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 2311 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: http://www.ue.edu/utpb_adm/AcademicAffairs/CollegeOfArtScience/DeptOfHumanitiesFineArts/ProgramOfMassCommunications/index_frame.htm.

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. Fulfills 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. Fulfills 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. Fulfills general education core curriculum “Oral Communication” requirement. S

COMM 1326 Fundamentals of Digital Media (3)
Introduction to digital media technologies and digital production issues. Laboratory practice with visual and audio formats. 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.

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.

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.

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 2351 Measurement in Communication (3)
Introduction to measurement and analysis techniques used in communication fields. Web-based research and dataset analysis and statistical methods. Prerequisites: 3 hours MATH. S

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.

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. F, S

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. F, S

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.
COMM 3342 Non Linear Production (3)
An exploration of digital video production from preproduction planning to post production distribution. Laboratory practice includes development and planning, video and audio production, post production nonlinear editing, and media distribution. Prerequisites: COMM 1326, 2321, or with permission of instructor. COMM 2303 recommended. S'07.

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. S

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. Pre-requisite: 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

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 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, 2305 & 2306
- Visual/Performing Arts (3 sch)
- Laboratory Science (6 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
- 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 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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Computer Science

Cherry Owen, PhD
Assistant Professor of Mathematics and Science
BS, MS, McNeese State University; PhD (2002) Texas Tech University.

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.

All plans of study in Computer Science include a common core of courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSC 3310</td>
<td>Digital Computer Organization</td>
</tr>
<tr>
<td>COSC 3312</td>
<td>Discrete Mathematics</td>
</tr>
<tr>
<td>COSC 3315</td>
<td>Information Systems Design</td>
</tr>
<tr>
<td>COSC 3420</td>
<td>Data Structures</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSC 1430</td>
<td>Introduction to Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>COSC 2430</td>
<td>Introduction to Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>COSC 2420</td>
<td>C Programming, or another course in a high level Language approved by the advisor</td>
<td>3/4</td>
</tr>
<tr>
<td>COSC 3310</td>
<td>Digital Computer Organization</td>
<td>3</td>
</tr>
<tr>
<td>COSC 3315</td>
<td>Information Systems Design</td>
<td>3</td>
</tr>
<tr>
<td>COSC 3xxx or 4xxx</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>20/22</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSC 1430</td>
<td>Introduction to Computer Science I</td>
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</tr>
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<td>4</td>
</tr>
<tr>
<td>COSC 2420</td>
<td>C Programming, or another course in a high level Language approved by the advisor</td>
<td>3/4</td>
</tr>
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<td>3</td>
</tr>
<tr>
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<td>Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>COSC 3315</td>
<td>Information Systems Design</td>
<td>3</td>
</tr>
<tr>
<td>COSC 3420</td>
<td>Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>24/25</td>
</tr>
</tbody>
</table>

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 F5

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. F5

COSC 2420 C Programming (4)
Programming in C, investigating the characteristics and implementation. Prerequisite: COSC 1430. S

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. F5
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.

COSC 4335 Distributed Informational Systems (3)
Study of network-based information systems, including distributed database systems. Prerequisite: COSC 4415.

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.

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.

COSC 4389 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 4390 Theory of Computation (3)
Turing machines, Church's thesis, recursive functions, computability, and computational complexity. Prerequisite: COSC 3312 or MATH 3315.

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

COSC 4415 Database Systems (4)
Survey of network, hierarchical and relational database systems, their design and operation. Prerequisites: COSC 3315.

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.

COSC 4455 Multimedia and Web Development (4)
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.
COSC 4460 Software Engineering (4)
Fundamental Concepts and General Principles for software systems development. Visual modeling, software development life cycles, CASE tools, Web-based information systems. Prerequisite: COSC 3315. 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

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.
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 2305 & 2306
- 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 & Analytical Geometry I
- MATH 2414 Calculus & Analytical Geometry II
- MATH 2415 Calculus & Analytical Geometry III
- 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 (CCJO)

C. Wayne Johnston, PhD
Associate Professor of Criminology

Dr. Johnston was a police officer and police investigator for 15 years. He received his Master degree in Justice Studies and his Doctorate degree in Public Administration from Arizona State University. His research interest include public/police 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.

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), and Brownsville (UTB). On occasion, other UT Campuses offer courses through the consortium as well. Through the consortium, it is possible for a student to earn a B.S. in Criminal Justice, entirely online, from UTA, UTB, or UTPB. With the approval of their academic advisors, UTPB students other than CCJO majors may register for criminal justice online courses (See Course Listing below).

The online B.S. degree in criminal justice offered by UTA, UTB, and UTPB consists of 66 hours of coursework which are intended to provide the student with an in-depth exposure to the American criminal justice system. There are 20 courses (60 hours) that a student must complete and a list of electives from which a student must select two courses (six hours). 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 52-53 of this catalog.

Computer Use

All CCJO graduates will have demonstrated their computer proficiency by virtue of the fact that all courses in this program are delivered online.

Criminal Justice Online (CCJO) Minor Requirements

A minor in CCJO consists of 18 hours of CCJO coursework (to include CCJO 2310), of which 12 must be at the upper-level. Criminology majors may not minor in CCJO.

Course Listing

*Note: For each course to be delivered by UTPB, the semesters during which the course will be offered appear after the course description. For the current schedules for courses to be offered by the other participating universities, go to http://www.telecampus.utsystem.edu/programs/criminal/criminal.html and click on Degree Plan and Course Schedule.

CCJO 2310 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 3312 Criminal Justice Administration (UTPB) (3)
Administrative problems and their solutions in correctional and law enforcement programs. S

CCJO 3320 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 3322 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 3324 Genetics (UT-El Paso) (3)
The course will provide information in genetics at an introductory level while incorporating enough comprehensive information to meet the needs of more advanced students. Genetics is the first analytical biology course for most students, thus students will learn the theory behind the analytical techniques. Students will also learn modern molecular analysis techniques as applied to elucidating concepts of classical genetics, compare mechanisms of sex chromosome and auto some regulation in humans and other organisms, and compare DNA sequences for specific highly conserved genes that are present at different levels of evolution. The study of genetics mechanisms in DNA expression is important in the field of Forensic Science, as well as others. Prerequisite: General Biology or its equivalent.

CCJO 3326 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 3332 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 3370 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 4300 Forensic DNA Analysis (UT-El Paso) (3)
DNA analysis has its roots in classical genetics and molecular biology and has become an essential part of our everyday lives. From identifying missing persons to solving crimes, the ability to identify specific genes has afforded us with great power. When used in a court of law, the specificity of the evidence is remarkable, yet, how can judges and juries hope to understand the complexities of the techniques and the information revealed? The Federal Justice Department, the FBI, the National Research Council, the Departments of Public Safety in all states train their private employees in these techniques and analytical methods. They require their employees to take courses at universities in order to attain in-depth understanding and continuing education.

Major points in this course include:
1. use of DNA analysis in law and medicine; TWGDAM guidelines;
2. scientific analytical techniques used to identify specific genes and mutations in individuals;
3. validity of DNA data for use in law or medicine; and
4. statistical interpretation of DNA typing results.
Prerequisite: General Biology or its equivalent.

CCJO 4316 Theories of Criminal Behavior (UTPB) (3)
Principal theories of criminality and the application of these theories to research and corrections. F

CCJO 4330 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 4336 Comparative Criminal 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 Gangs (UTB) (3)
Gives advanced undergraduate students the academic flexibility and opportunity to study contemporary issues in crime and criminal justice.

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 4395 Toxicology (UT-El Paso) (3)
Biol 4395 Toxicology
Toxicology is the study of the harmful interactions between foreign and biological systems. Exposures occur from contaminants in our food, in our environment, and in our homes. Toxicology also covers interactions with medications and has significant genetic development concerns. The basic rules of Toxicology are directly applicable in Forensic Science. Prerequisites: General Biology or its equivalent
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) 2305 & 2306
- 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., Psyc., 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.
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:

Required Courses (must take all courses in this block)
- CCJO 2310 Introduction to the Criminal Justice System
- CCJO 3312 Criminal Justice Administration
- CCJO 4316 Theories of Criminal Behavior
- CCJO 3320 Research Methods
- CCJO 3322 Legal Aspects of Evidence
- CCJO 3326 Legal Aspects of Corrections
- CCJO 3332 Juvenile Delinquency & Justice
- CCJO 4330 American Judicial Systems
- CCJO 4336 Comparative Criminal Justice Systems
- CCJO 4338 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 3370 Ethnic & Gender Issues in Criminal Justice
- CCJO 4372 Drugs and Behavior

Elective Courses (select two)
- CCJO 3324 Genetics
- CCJO 4300 Forensic DNA Analysis
- CCJO 4366 Gangs
- CCJO 4395 Toxicology

Additional elective courses may be added in future.
Criminology

Richard G. Keikbusch, PhD
Graduate Program Head for Criminal Justice Administration
Associate Professor of Criminology

Dr. Keikbusch coordinates both the bachelor’s degree program in Criminology and the master’s degree program in Criminal Justice Administration. He holds a BA, MA, and PhD., all in sociology from the University of Notre Dame. Dr. Keikbusch has over twenty years experience in correctional administration and private corrections. He is active in a number of professional associations, and was president of the American Jail Association 1992-93. In addition to carrying out his academic responsibilities, Dr. Keikbusch has provided expert witness and other consulting services in the area of correctional management. He is contributing editor for Corrections Managers’ Report and serves on the editorial boards of several other practitioner publications and scholarly journals.

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 CRJ 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 52-53 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.

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CRIM 2336</td>
<td>Introduction to Criminology</td>
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<tr>
<td>SOCI 3317</td>
<td>Introductory Statistics</td>
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<td>SOCI 4303</td>
<td>Social Research Methods</td>
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<td>CRIM 4332</td>
<td>Theories of Criminal Behavior</td>
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<tr>
<td>CRIM 4399</td>
<td>Senior Research Seminar</td>
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</tbody>
</table>
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 134-137.

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.

Course Listing

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. S

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. F

CRIM 3350 Social Deviance (3)
Study of societal definitions and reactions to deviant acts in relationship to ethnicity, social class and legal institutions. Su

CRIM 3355 Municipal Police Administration (3)
An overview of police supervision and administrative practices with a special emphasis upon innovative patrol, tactical and investigiative administrative procedures. Problems and special issues in police administration are also considered and evaluated. F

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. F

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. S

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. F

CRIM 4321 Probation and Parole (3)
History, philosophy and development of adult and juvenile probation and parole in the United States. S

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. S

CRIM 4332 Theories of Criminal Behavior (3)
Principal theories of criminality and the application of these theories to research and corrections. S

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. Su

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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. S

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. S

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. F

CRIM 4383 The American Jail (3)
This course provides the student with a basic understanding of the American jail - its role within the criminal justice system and its internal operations. Su

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.
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) 2305 & 2306
- 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) (Soc.l., Psych., 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 4403 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 4383 The American Jail
- CRIM 4389 Selected Topics
- CRIM 4391 Contract Study
- CRIM 4392 Internship in Criminal Justice
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Shawn D. Watson, PhD
Associate Professor of English and Theatre

Dr. Watson has been instrumental in forgoing 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, and her special interest. She has taught theatre appreciation on interactive television over the REACH network. She also teaches Renaissance literature and Shakespeare. Her research is dramatic theory and play production.

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)
Improvvisational 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.
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. A degree in Earth Sciences, however, 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 52-53 of this catalog. In meeting the general education requirements Earth Science majors should include the following:

Mathematics Requirement  MATH 1314 (3) and 2412 (4)
Science Requirement  GEOL 1301/1101 (4) and 1302/1102 (4)

Computer Use

All majors must demonstrate a basic use of computing through completion of COSC 1335 (3).

Science and Mathematics  20 credit hours

   BIOL 1306/1106 (4) and 1307/1107 (4)
   CHEM 1311/1111 (4) and 1312/1112 (4)
   PHYS 1301/1101 (4)

Earth Sciences Core  55 credit hours

Upper level course work (32 credit hours) in the following:

   BIOL 3372 (3), 4340 (3)
   GEOG 3301 (3), 3302 (3), and 3307 (3)
   GEOL 3303/3103 (4), 3318 (3), 3307/3107 (4), and 3329 (3).
   NTSC 4301 (3) or NTSC 4311 (3)

Electives: Up to 23 upper level courses in BIOL, ENSC, and GEOL

Teacher Preparation and TExES/ExCET Requirements**

Candidates for TExES/ExCET tests in 4-8 Science must have completed all the courses required for the Earth Sciences degree.

Minor in Earth Sciences

GEOL 1301/1101 and 1302/1102, totaling 8 sch, are required courses. Ten additional upper level credit hours, totaling a minimum of at least 18 sch, must be earned by selecting courses from one or more of the following disciplines: Biology, Chemistry, Environmental Science, and Geography.

**Consult School of Education advisor.
DEGREE PLAN: BS IN EARTH SCIENCES

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) 2305 & 2306
___ 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 are required. Two courses must be sequenced. All of the courses must be chosen from the following:

___ BIOL 1306/1106; BIOL 1307/1107
___ PHYS 1301/1101, 1302/1102
___ CHEM 1311/1111, 1312/1112

EARTH SCIENCES CORE COURSES:

___ GEOL 1301/1101 Physical Geology
___ GEOL 1302/1102 Historical Geology
___ GEOG 3302 Geomorphology
___ GEOG 3307 Climatology or Meteorology course
___ 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 3307/3107 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 Sciences.

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 Sciences 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: 9sch 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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Economics

Dr. Scott A. Carson
Associate Professor of Economics

Dr. Scott A. Carson is an associate professor of economics in the School of Business. His research interests include labor economics and labor market development, the interaction between economics and health, and the influences of institutions on economic growth. Dr. Carson's current research considers the biological consequences of America's 19th century transformation in the Deep South from slavery to free labor on both African-Americans and European-Americans. Dr. Carson serves as a lecturer at the University of California, Berkeley in the Summer.

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 UT Permian 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 52-53 of this catalog. Include the following specified courses:

Mathematics MATH 1324 & 1325 or MATH 2412 & 2413
Social Science SOCI 1301 and PSYC 1301
Computer Science COSC 1335 (BCIS 1305 or 1405)

Computer Use

Economics majors obtain computer skills for problem-solving in COSC 1335 (BCIS 1305 or 1405), 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>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
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<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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**Upper Level Courses:**

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<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>
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<td></td>
<td>Approved ECON electives to total 12 credit hours</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Approved electives to total 21 Credit hours</td>
<td>21</td>
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<tr>
<td></td>
<td><strong>42 Credits</strong></td>
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</table>

**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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<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>ECON 3303</td>
<td>Intermediate Microeconomics</td>
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<tr>
<td>ECON 4323</td>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any additional approved Economics courses at the 3000 or 4000 level totaling 6 hours.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>18 Credits</strong></td>
<td></td>
</tr>
</tbody>
</table>

**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. Completion of ECON 2301 is recommended, but not required. 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 2302. 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 multicolinearity, 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 4337 Engineering Economics (3)
The study of the systematic evaluation of the costs and benefits associated with proposed technical projects. Prerequisite: ECON 2301 and 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.

† Course fulfills general education requirements.
## Degree Plan: BA in Economics

### Freshman Year

<table>
<thead>
<tr>
<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>
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<tr>
<td>MATH 1324</td>
<td>3</td>
<td>MATH 1325</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1315/1321</td>
<td>3</td>
<td>HIST 1302</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>3</td>
<td>Visual/Performing Art</td>
<td>3</td>
</tr>
<tr>
<td>Lab Science</td>
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<td>Lab Science</td>
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### Sophomore Year

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<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<tr>
<td>ECON 2301</td>
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<td>ECON 2302</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1335</td>
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<td>PLSC 2306</td>
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<td>PLSC 2305</td>
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<td>SOCI 1301</td>
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### Junior Year

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<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<tr>
<td>ECON 3303</td>
<td>3</td>
<td>ECON 4323</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 2301</td>
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<td>MNGT 3302</td>
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<td>Minor Elective</td>
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<tr>
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### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<td>ECON Elective</td>
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<td>ECON Elective</td>
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<td><strong>Total Hours</strong></td>
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</tbody>
</table>
English

Sophia P. Andres, PhD
Graduate Program Head of English
Associate Professor of English

Dr. Andres studied Romantic and Victorian literature at the University Of Edinburgh, Scotland. She has been honored with the Chancellor's Council outstanding Teacher Award and continues to bring Victorian and twentieth-century British literature, as well as Pre-Raphaelite painting, to life for undergraduate and graduate students. Her writings have been published in ELH, Journal of Narrative Technique, Journal of Narrative Theory, Victorians Institute Journal, Victorian Newsletter, Clio, Mosaic, George Elliot-George Henry Lewes Studies, Journal of Pre-Raphaelite Studies Greenwood Press and State University of New York Press has also published some her work. Her Book, The Pre-Raphaelite Art of the Victorian Novel, was published in the Fall 2004 by the Ohio State University Press.

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 Interpret, The Journal of Popular Film and Television.

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 52-53 of this Catalog. |

**Computer Use**

All majors must demonstrate a basic use of computing through either a computer literacy test, COSC 1335, or similar computer science course which requires the actual use of computers.
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.)

English Language Arts & Reading 4-8: At least 24 semester hours at the sophomore level and above (with 6 hours at the 4000 level), including ENGL 3300; ENGL (American literature); ENGL (British literature); ENGL (fiction); ENGL (poetry); ENGL (drama); ENGL (language/rhetoric). Must also complete EDUC 3322, 4325, 4326, and 4375.

English Language Arts & Reading 8-12: At least 24 semester hours at the sophomore level and above (with 6 hours at the 4000 level), including ENGL 3300; ENGL (American literature); ENGL (British literature); ENGL (fiction); ENGL (poetry); ENGL (drama); ENGL (language/rhetoric). Must also complete COMM 2301; EDUC 4326 and 4375.

English Language Arts, Reading & Social Studies 4-8: 24 semester hours ENGL at the sophomore level and above (with 6 hours at the 4000 level), including ENGL 3300; ENGL (American literature); ENGL (British literature); ENGL (fiction); ENGL (poetry); ENGL (drama); ENGL (language/rhetoric); ECON 2301; GEOG 1301, 1302; HIST 1301, 1302, 3350; 3341 or 3342; 3345 or 4355; PLSC 2305, 2306; 4335 or 4336; EDUC 3322, 4325, 4326, 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. F5

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.

ENGL 3311 Drama: Comedy (3)
Transnational genre course surveying comic drama from Greek to present-day playwrights: Prerequisite: any 2000 level English course.

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. 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.

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. 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. S06

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ENGL 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.

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. 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.

ENGL 4305 American Drama (3)
Historical development of American drama; types of dramatic literature and masterpieces in American drama. Prerequisite: ENGL 3300.

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.

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.

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. 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. F05

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.

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.
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.

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
   ———— 3332 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
   ———— 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 in Translation
   ———— 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
   ———— Other
   ———— Other

   LANGUAGE/RHETORIC (one required)
   ———— 3340 Advanced Composition
   ———— 3371 The English Language
   ———— 3372 English Grammar
   ———— 4340 Advanced Professional Writing
   ———— 4371 Rhetoric and Composition
   ———— Other
   ———— Other
   ———— Other

   MINOR OR SECOND TEACHING FIELD

1. ______________________________
2. ______________________________
3. ______________________________
4. ______________________________
5. ______________________________
6. ______________________________
7. ______________________________
8. ______________________________

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, 2305 & 2306
   ——— 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)

UTPB 2005–2007 Undergraduate Catalog
Entrepreneurship

(Minor Only)

The Entrepreneurship minor gives the non-business student a broad-based background in the area of small business. Non-business students wishing to gain an understanding of small business operations or of applying the skills gained through other majors in their own self-venturing would be well served with this minor.

**Required Courses for Entrepreneurship minor**

<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>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>MRKT 3304</td>
<td>Small Business Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3318</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 4330</td>
<td>Entrepreneurial Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

21 Credits

Students pursuing an Entrepreneurial minor must meet all prerequisites of courses including in the minor. See the course descriptions in the major area to ascertain the prerequisites for each course.

Economics majors pursuing an Entrepreneurship minor must take at least 6 additional credit hours of approved upper division business electives due to overlapping courses between their major and an Entrepreneurship minor.
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 122.

General Education 46 credits

Complete the requirements shown in the General Education Requirements section on pages 52-53 of this catalog including the following specific courses.

| Mathematics | MATH 2413, 2414 |
| Environmental Science | ENSC 1401, 1402 |

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 73 -79 credits

Environmental Science Foundation Courses (48 sch., 25 must be upper level): All environmental Science majors must complete the following.

*BIOL 1306-1106 General Biology I 4
*BIOL 1307-1107 General Biology II 4
BIOL 4372 Ecology 3
*CHEM 1311-1111 General Chemistry I 4
*CHEM 1312-1112 General Chemistry II 4
ENSC 3404 Environmental Problems 4
ENSC 3310 Water and Wastewater Treatment 3
ENSC 4310 Environmental Pollution and Control 3
ENSC 4350 Environmental Impact Analysis 3
ENSC 3320 Environmental Law 3
ENSC 4395 Research in Environmental Issues 3
*GEOL 1301-1101 Physical Geology 4
*GEOL 1302-1102 Historical Geology 4
MATH 3301 Statistics 3
PHYS 1301-1101 or 2325-2125 College or University Physics and Lab 4
NTSC 4301 Environmental Ethics 3

* Only 16 sch in these areas are required - 8 sch in the field of concentration and 8 sch outside the concentration field.

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 3308-3108, 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 (0-4 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 (15-16 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 1311/1111</td>
<td>General Chemistry I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1312/1112</td>
<td>General Chemistry II and Lab</td>
<td>4</td>
</tr>
<tr>
<td>GBOL 1301/1101</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>GBOL 1302/1102</td>
<td>Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2325/2125</td>
<td>University Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2326/2126</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>GBOL 3316</td>
<td>Introduction to Groundwater</td>
<td>3</td>
</tr>
<tr>
<td>GBOL 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 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. F

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 3404 Environmental Problems (4)
Man's impact on the physical and biotic structures of the environment. Lab: Interactive computer program, activities on food chain and population. Prerequisite: ENSC 1401 and ENSC 1402 or permission of the instructor. Summer

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

† Course fulfills general education requirements.
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) 2305, 2306
- ENSC 1401 & 1402, 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.

HOURS FROM OTHER INSTITUTIONS (if any)
Freshman/sophomore total ..............................................................
Junior/senior total .............................................................................
Total credits transferred in ..............................................................

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 122 sch for the BS degree.
3. At least 54 sch must be taken at the junior or senior level. At least 30 of these must be completed at U. T. Permian Basin.

MAJOR REQUIREMENTS: 73-79 SEMESTER CREDIT HOURS (Depending on field of concentration)
Environmental Science Foundation Courses (48 sch): All Environmental Science majors must complete the following:

- *Biol 1306/1106 & 1307/1107 General Biology I & II 8 sch
- Biol 4372 Ecology 3 sch
- *Chem 1311/1111 & 1312/1112 General Chemistry I & II 8 sch
- Ensc 3404 Environmental Problems 4 sch
- Ensc 3310 Water and Wastewater Treatment 3 sch
- Ensc 4310 Environmental Pollution Cont. 3 sch
- Ensc 4350 Environmental Impact Analysis 3 sch
- Ensc 3320 Environmental Law 3 sch
- Ensc 4395 Research in Environmental Issues 3 sch
- Geol 1301/1101 & 1302/1102 Physical & Historical Geology 8 sch
- Phys 1301/1101 or 2325/2125 Statistics 3 sch
- Phys 3401 College or University Physics I & Lab 4 sch
- NTSC 4301 Environmental Ethics 3 sch

*Only 16 sch in these areas are required - 8 sch in the field of concentration, and 8 sch outside the concentration field. In addition to the above noted 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
- Biol 4342 Evolution

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 3308-3108 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.

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Finance

Dr. Paul Haensly
Associate Professor and Coordinator of Finance

Dr. Paul Haensly is a financial economist and wannabe mathematician. His teaching and research interests are primarily in modern portfolio theory, asset pricing models, market efficiency, and financial derivatives. His work has been published in Journal of Accounting and Finance Research; Quarterly Journal of Business and Economics; Southwest Business and Economics Journal; Oil, Gas & Energy Quarterly; Journal of Asset Management; and The Credit and Financial Management Review. Dr. Haensly earned a Ph.D. in Finance from the University of North Texas in 1994. His dissertation topic was “The Application of Statistical Classification to Business Failure Prediction.” Prior to graduate school in Finance, he worked as a Systems Analyst for a defense contractor in Huntsville, Alabama, where he did mathematical modeling and computer simulations. He also earned an M.A. in Mathematics from The University of Texas at Austin and two B.S. degrees, one in Mathematics and one in Physics, from Texas A&M University. In addition to teaching Finance at UTPB, Dr. Haensly also has taught at the University of North Texas as a Visiting Assistant Professor and at Texas Christian University and Our Lady of the Lake University as an Adjunct.

The School of Business administers the Bachelor of Business Administration (BBA) with a major in Finance. The degree provides an understanding of financial markets, financial institutions, and financial decision-making of businesses. The course work provides training in conceptual and quantitative tools that a financial professional needs to know to be successful. Finance is a discipline that is grounded in economics and draws many of its tools from accounting. Thus a Finance major takes courses in economics and accounting beyond those required of all business majors.

Degree Requirements

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

General Education

Complete the requirements shown in the General Education Requirements section on pages 52-53 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 1405), 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.

Lower Level Business Courses

Complete the 18 credit hour requirements shown in the Lower Level Business Courses section on page 64 of this catalog.

Upper Level Business Common Core Courses

Complete the requirements shown in the Upper Level Business Common Core Courses section on page 64 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
- Other Business Common Core Courses

Total: 30 Credits
Other Required Upper Level Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINA 4321</td>
<td>Corporate Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>FINA 4323</td>
<td>Financial Markets, Institutions &amp; Instruments</td>
<td>3</td>
</tr>
<tr>
<td>FINA 4325</td>
<td>Options &amp; Futures</td>
<td>3</td>
</tr>
<tr>
<td>FINA 4327</td>
<td>Portfolio Theory &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>Approved</td>
<td>ACCT Tools Elective (ACCT 3301 or 3310)</td>
<td>3</td>
</tr>
<tr>
<td>Approved</td>
<td>ECON Tools Elective (ECON 3303 or 4307)</td>
<td>3</td>
</tr>
<tr>
<td>Approved</td>
<td>Upper Level FINA Electives (excluding FINA 4392)</td>
<td>6</td>
</tr>
<tr>
<td>Approved</td>
<td>Upper Level Business Electives and/or Economics Electives (excluding ACCT 3301 and ACCT 3310)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

Advice to Students Interested in Pursuing a Finance Major

The Degree Plan for a BBA in Finance requires Lower Level General Education Courses (44 hours), Lower Level Business Courses (18 hours), Upper Level Business Core Courses (27 hours), Major Courses (30 hours), and the Business Capstone course (3 hours) for a total of 122 credit hours. For more details, see “Specific Requirements for BBA Degrees in Accountancy, Finance, Management and Marketing” in the School of Business section of this Catalog on pages 64-65.

A full time student might follow the hypothetical course schedule shown at the end of this section on Finance. However, keep in mind that most business and economics courses beyond the Business Core are offered at most only once a year and many electives are offered less frequently. In addition, these courses may not be offered in the semesters shown in the hypothetical course schedule due to changes in faculty or teaching assignments. Finally, if you are a part-time student who needs to plan around work and family, the hypothetical course schedule is a poor guide.

Hence we recommend that you meet with your academic advisor at the latest in the long semester before the start of your junior year and prior to the start of every succeeding academic semester to discuss your scheduling alternatives. If you are a part-time student, you have greater flexibility. 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 Finance faculty recommend that you take the following Lower Level Courses as soon as possible, because each is a direct prerequisite for at least one upper level course that you must take and is an indirect prerequisite for others: ENGL 1301, ENGL 1302, MATH 1324 (or 2412), MATH 1325 (or 2413), COMM 1315/1321 (COMM 1321 recommended), COSC 1335, ACCT 2301, ACCT 2302, MNGT 2301, ECON 2301, ECON 2302. You must earn a GPA of 2.25 or better in these 33 hours (11 courses) to earn a BBA.

The Finance faculty recommends that you take the following Business Core Courses as soon as possible: ECON 3322, MNGT 3302, MNGT 3311, and FINA 3320. These courses provide important tools and foundational concepts that will help you do well in your Major Courses. You do not need to complete all of your lower level coursework prior to taking these courses. The remaining Business Core courses may be taken while working on your Major Courses.

The Finance faculty recommends that you take the following Major Courses first: Accounting Tools Elective, Economics Tools Elective, FINA 4323, FINA 4325, and FINA 4327. While these courses are not prerequisites for other finance courses, you will gain more from your remaining finance courses if you complete these courses first. Your remaining Major course-work includes FINA 4321, two Upper Level Finance Electives, and two Upper Level Business and Economics Electives.

You must complete 42 hours of upper level Business and Economics courses, including all of your Business Core courses, prior to enrolling in the Capstone Course, MNGT 4375. We recommend that you take the capstone course in your last semester.

You have a limited number of slots for electives in your degree plan: two Upper Level Finance Electives and two Upper Level Business and Economics Electives. Choose wisely. If you plan to continue working for your current employer, ask your supervisors and mentors which courses are most likely to advance your career. If you have a specific career in mind, e.g., in the banking industry, conduct research to determine which courses will help you most when you apply for a job. If intend to go immediately to graduate school, find out which undergraduate courses will prepare you the best for graduate level course work. With these general guidelines in mind, the Finance faculty offers the following recommendations for your electives.

At the time this Catalog is being written, we offer the following finance electives: International Finance (FINA 4320), Management of Financial Institutions (FINA 4322), Market Microstructure (FINA 4324), Entrepreneurial and Small Business Finance (FINA 4329), and Financial Statement Analysis (FINA 4340). From time to time, we may develop a new elective and pilot it as a FINA 4389 course. Your two required Finance Electives must come from this list. You may take additional finance electives to meet your Business and Economics Electives requirements.
If your career plans are international in scope, then we recommend that you take International Finance (FINA 4320) as one of your Finance Electives and two of the following courses as your Business and Economics Electives: International Trade (ECON 4320), International Management (MNGT 4320), International Marketing (MRKT 4320), and International Entrepreneurship (MNGT 4370).

If your career plans are in the banking industry, then we suggest that you rank the following courses high on your list of potential electives: Management of Financial Institutions (FINA 4322) and Service Marketing (MRKT 4359).

If your career plans are in the securities industry, then we suggest that you rank the following courses high on your list of potential electives: International Finance (FINA 4320), Market Microstructure (FINA 4324), Financial Statement Analysis (FINA 4340), Federal Income Tax (ACCT 3305), Intermediate Microeconomics (ECON 3303) or Econometrics (ECON 4307) (whichever one you did not take as your Economics Tools course), and Intermediate Macroeconomics (ECON 4323).

In general, the Finance faculty recommends that the following courses be high on your list of potential Upper Level Business and Economics Electives.

- Intermediate Accounting II (ACCT 3302) if you take Intermediate Accounting I (ACCT 3301) as your Accounting Tools Elective.
- Federal Income Tax (ACCT 3305). This course would be especially valuable to anyone who plans to work in the securities industry or in financial planning.
- Financial Statement Analysis (FINA 4340). In our discussion with local companies that hire finance graduates, this course is the first one that they typically mention when we ask, “what course would be most valuable to your new hires?”
- Intermediate Microeconomics (ECON 3303) (if you did not take this course as your Economics Tools Elective). This course covers the economic theory that underlies much of finance.
- Econometrics (ECON 4307) (if you did not take this course as your Economics Tools Elective). If you plan to go to graduate school or work as a securities analyst, this course is a “must take.”
- Intermediate Macroeconomics (ECON 4323). Alan Greenspan thinks that macroeconomics is critical to understanding the economy. Need we say more?
- Law and Economics (ECON 4331). Markets cannot function effectively without the structure of law. An understanding of contract, tort, and property law is essential to making sense of why markets function the way that they do. This course would be especially valuable if you plan to go to graduate school in economics or finance.
- Human Resource Management (MNGT 3312) and Organizational Behavior (MNGT 3330). If you currently are a supervisor or are likely to become one in the near future, these courses may help you understand how to manage people better.
- Marketing Research & Information Systems (MRKT 4314). Financial services have become increasingly customer oriented as the banking and brokerage industries have been deregulated in recent decades. Effective marketing is now essential for success.

**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 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>

**Total Credits:** 9

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Upper Level Courses

FINA 3320 Principles of Finance 3
FINA 4321 Corporate Financial Management 3
FINA 4323 Financial Markets, Institutions & Instruments 3
FINA 4327 Portfolio Theory & Management 3

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
3 Credits

Upper Level Courses

FINA 3320 Principles of Finance 3
FINA 4321 Corporate Financial Management 3
FINA 4323 Financial Markets, Institutions & Instruments 3
FINA 4325 Options & Futures 3
FINA 4327 Portfolio Theory & Management 3
Approved 3 hours from FINA 4320, 4322, 4324, or 4329 3

18 Credits
Total 21 credits

Course Listing

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 and MNGT 2301.

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.

FINA 4321 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.

FINA 4322 Management of Financial Institutions (3)
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. Prerequisite: FINA 3320. ECON 3322 is recommended but not required.

FINA 4323 Financial Markets, Institutions & Instruments (3)
Comprehensive survey of institutions and instruments of modern financial markets. Topics may include depository institutions, non-depository financial intermediaries, investment banking, underwriting and issuance of securities, brokerage services, government and corporate debt, determinants of interest rates, mortgage-backed securities and other types of securitized assets. Prerequisite: FINA 3320.
FINA 4324 Market Microstructure (3)
Study of the structure of capital markets and the behavior of traders in those markets. In-depth exploration of one or more of the following topics: capital market microstructure; informed and uninformed traders; liquidity and volatility in capital markets; market efficiency and its consequences for financial decision making. Prerequisite: FINA 3320.

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 4327 Portfolio Theory & Management (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.

FINA 4329 Entrepreneurial & Small Business Finance (3)
Course covers how venture capital industry works in the U.S. and issues influencing investment in entrepreneurial start-ups. Topics covered include how to plan a small business, assess financial needs of new ventures, find alternative sources of financing, estimate value of new ventures, and conduct financial contracting. Organization design, uses of financial statements and financial techniques to negotiate deals, and building relationships with venture capitalists also covered. 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. Crosslisted with ACCT 4340.

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 experience as a financial professional that enables the student to explore career options. Internship must involve work that is substantially financial in nature with job responsibilities similar to those that a full-time employee would face. May be taken only once for credit. Prerequisites: FINA 3320, 4321, 4327, and completed internship application form with permission of academic advisor, area coordinator, and experiential learning program coordinator. Prerequisites MUST be completed PRIOR to the internship activity.

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UTPB 2005–2007 Undergraduate Catalog
# DEGREE PLAN: BBA IN FINANCE

## Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>3</td>
<td>ENGL 1302</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1324/2412</td>
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<td>MATH 1325/2413</td>
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</tr>
<tr>
<td>PSYC/SOCI 1301</td>
<td>3</td>
<td>Visual/Performing Art</td>
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<tr>
<td>COSC 1335</td>
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<td>COMM 1321/1315</td>
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## Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
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<th>Spring</th>
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<tbody>
<tr>
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</tr>
<tr>
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<td>ECON 2302</td>
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</tr>
<tr>
<td>English Literature</td>
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<td>MNGT 2301</td>
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<td>Lab Science</td>
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<tr>
<td>PLSC 2305</td>
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## Junior Year

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<thead>
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<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
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<tr>
<td>FINA 3320</td>
<td>3</td>
<td>FINA 4325</td>
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<tr>
<td>ACCT Tools Elective</td>
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<td>ECON Tools Elective</td>
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<td>ECON 3322</td>
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<td>MNGT 3324</td>
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<td>MNGT 3340</td>
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## Senior Year

<table>
<thead>
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<th>Hours</th>
<th>Spring</th>
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<tr>
<td>FINA 4323</td>
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<td>FINA 4327</td>
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<td>FINA Elective</td>
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<td>MNGT 4375</td>
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</table>
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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ARTS 1301</td>
<td>Art Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUSI 1305</td>
<td>Music Appreciation</td>
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</tr>
<tr>
<td>DRAM 2301</td>
<td>Theatre Appreciation</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 9 hours

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.

**Geography Minor Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEOG 1301</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1302</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>12 hours upper level Geography courses</td>
<td>12</td>
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</table>

**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.)

Candidates for TEXES tests in 4-8 Social Studies and 8-12 Social Studies must have completed the courses listed for each area below or equivalent courses from another college or university.

Social Studies 4-8: ECON 2301, 2302; GEOG 1301, 1302, 33xx; HIST 1301, 1302, 3347, 3348, 3350; 3341 or 3342; 3345 or 4355; PLSC 2305, 2306; 4335 or 4336.

Social Studies 8-12: ECON 2301, 2302; GEOG 1301, 1302, 33xx; HIST 1301, 1302, 3341 or 3342; two 2000-level non-US history courses; two upper-level non-US history courses; two 20th-Century US history courses; PLSC 2305, 2306; 4335 or 4336; 3321 or 4321.

**Course Listing**

**GEOG 1301 Physical Geography (3)**
Introduction to physical geography: landforms; soils; surface water; groundwater; climate; and vegetation. 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. F05

**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. F05

**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.

**GEOG 4304 Geography of South America (3)**
Physical and cultural geography of South America. Prerequisite: permission of the instructor.
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.
Emilio Mutis-Duplat, PhD
Professor of Geology

In over 25 years at U.T. Permian Basin, Dr. Mutis-Duplat has worked with a multitude of undergraduate and 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.

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 and mining industries, environmental geology, graduate school, and teaching. The Geology curriculum provides students with an 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 crop out in the Permian Basin near The University facilities, 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  49 credit hours

Students must complete the requirements shown in the General Education Requirements section on pages 52-53 of this catalog. In meeting the general education requirements Geology majors must include the following:

- Math Requirement: MATH 2413 (4), 2414 (4)
- Science Requirement: GEOL 1301/1101 (4) and 1302/1102 (4)

Computer Use

Students majoring in Geology must demonstrate a basic use of computer through the completion of COSC 1335 (3).

Science and Mathematics  22 credit hours

- CHEM 1311/1111 (4) and 1312/1112 (4)
- NTSC 4311 (3)
- PHYS 1301/1101 (4) and 1302/1102 (4) or 2325/2125 (4) and 2326/2126 (4)
- Literature: 3 credits at the 3000 or 4000 level

Core  40 credit hours

Take all of the following:

- GEOL 1301/1101 (4)  Physical Geology
- GEOL 1302/1102 (4)  Historical Geology
- GEOL 3303/3103 (4)  Mineralogy
- GEOL 3304/3104 (4)  Igneous and Metamorphic Rocks
- GEOL 3305/3105 (4)  Structural Geology
- GEOL 3307/3107 (4)  Introduction to Paleontology
- GEOL 3308/3108 (4)  Sedimentary Rocks
- GEOL 3309 (3)  Sequence Stratigraphy
MINOR

Minors may be completed from one of the following disciplines: Biology, Chemistry, Computer Science, Environmental Science, Geography, or Mathematics.

Minor in Geology

GEOL 1301/1101 and GEOL 1302/1102, totaling eight credit hours, are required courses. Ten additional upper level credit hours, totaling a minimum of at least 18 credit hours, must be earned by selecting courses from the following list: GEOL 3303/3103, 3307/3107, 3317, 3318, and 3329.

Course Listing

GEOL 1301 Physical Geology (3)*
Survey of Earth’s structure, composition, and the dynamic processes that have resulted in the modern distribution of the Earth’s geographic regions, landforms, resources, and geologic hazards. Corequisite: GEOL 1101. FS

GEOL 1101 Physical Geology Laboratory (1)*
Laboratory methods in the physical geological sciences. Corequisite: GEOL 1301. FS

GEOL 1302 Historical Geology (3)*
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 geological history of North America. Prerequisite: GEOL 1301/1101 or permission of the instructor. Corequisite: GEOL 1102. FS

GEOL 1102 Historical Geology Laboratory (1)*
Laboratory methods in historical geology, with emphasis on paleontology. Corequisite: GEOL 1302. FS

GEOL 3303 Mineralogy (3)

GEOL 3103 Mineralogy Laboratory (1)
Identification of minerals, especially the rock-forming minerals, on the basis of crystallographic, physical, chemical, and optical properties. Corequisite: GEOL 3303. F

GEOL 3304 Igneous and Metamorphic Rocks (3)
Origin and distribution, classification, identification, and description of igneous and metamorphic rocks in hand specimen and under the polarizing microscope. One fieldtrip is required. Prerequisite: GEOL 3303/3103. Corequisite: GEOL 3104. S

GEOL 3104 Igneous and Metamorphic Rocks Laboratory (1)
Identification of igneous and metamorphic rocks in hand specimen and under the polarizing microscope. Corequisite: GEOL 3304. S

GEOL 3305 Structural Geology (3)
Principles of structural geology, including the theory of rock behavior under stress, and descriptions of major structural features. Prerequisites: GEOL 1301/1101, MATH 2414, and PHYS 1302/1102 or PHYS 2326/2126. Corequisite: GEOL 3105. F

GEOL 3105 Structural Geology Laboratory (1)
Geometrical techniques used in the understanding of rock deformation. Emphasis on the applications of the stereonet. Corequisite: GEOL 3305. F

GEOL 3307 Paleontology (3)
Classification, evolution, and paleontology of ancient organisms with hard parts (shells or skeletons). Prerequisites: GEOL 1302/1102 or BIOL 1306/1106. Corequisite: GEOL 3107. F

GEOL 3107 Paleontology Laboratory (1)
Laboratory methods in paleontology. Corequisite: GEOL 3307. F
GEOL 3308 Sedimentary Rocks (3)
Origin and distribution, classification, identification, and description of sedimentary rocks in hand specimen and under the polarizing microscope. Recognition of sedimentary textures and structures and introduction to depositional environments. One fieldtrip is required. Prerequisite: GEOL 3303/3103 or permission of the instructor. Corequisite: GEOL 3108. F

GEOL 3108 Sedimentary Rocks Laboratory (1)
Identification of sedimentary rocks in hand specimen and under the polarizing microscope. Corequisite: GEOL 3308. F

GEOL 3309 Sequence Stratigraphy (3)
Sedimentary processes, depositional facies, and fundamental concepts of stratigraphy. Introduction to the application of sequence and seismic stratigraphy to the Permian Basin and West Texas. One fieldtrip is required. Prerequisite: GEOL 3308/3108. 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 1301/1101, MATH 2412. 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 1301/1101. F

GEOL 3318 Oceanography (3)
Geological, physical, chemical, and biological aspects of the marine environment, including marine geomorphology and depositional environments. Prerequisites: GEOL 1301/1101 or BIOL 1306/1106. S

GEOL 3329 GIS and GPS Applications (3)
Acquisition of actual geographical, geological, and biological field data using a Trimble GPS system and various surveying equipments, and interpretation and graphic presentation of these data using GIS (Arc View) software. One fieldtrip is required. Prerequisites: GEOL 1301/1101 and 1302/1102. F

GEOL 4100 Basic Field Methods (1)
Introduction to the methods used in geologic mapping by the field geologist. Prerequisites: GEOL 3304/3104, 3305/3105, 3307/3107, and 3308/3108. S

GEOL 4101 Rock-Cuttings Description (1)
Methods used in the detailed description of well cuttings recovered from wells drilled in the Permian Basin of West Texas and Southeastern New Mexico. Taught from 8:00 a.m. to 5:00 p.m. on three consecutive Saturdays. Prerequisite: GEOL 3308/3108 or permission of the instructor. F

GEOL 4102 Core Description (1)
Methods used in the detailed description of cores recovered from wells drilled in the Permian Basin of West Texas and Southeastern New Mexico. Taught from 8:00 a.m. to 5:00 p.m. on three consecutive Saturdays. Prerequisite: GEOL 3308/3108 or permission of the instructor. S

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. S

GEOL 4317 Geology of the Permian Basin (3)
Depositional and structural history and diagenetic overprint, in both outcrop and in subsurface, of the Paleozoic formations of the Permian Basin. Prerequisites: GEOL 3308 or permission of the instructor. F

GEOL 4318 Geology of West Texas (3)
Introduction to general geology followed by outline of the geologic evolution of West Texas. Optional fieldtrips will be available. For non-majors. Requires permission of the instructor. S

GEOL 4320 Exploration Geophysics (3)
Gravity, magnetic, and seismic techniques used in the search for mineral deposits and petroleum. Prerequisite: GEOL 3305/3105. S

GEOL 4600 Field Geology (6)
Field techniques for systematic geologic mapping utilizing topographic maps. Students majoring in geology must make arrangements at another school to take this course when not taught at The University of Texas of the Permian Basin. Prerequisites: GEOL 3304/3104, 3305/3105, 3307/3107, and 3308/3108. Summer

*Course fulfills general education requirements
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) 2305, 2306
- 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 (3000 or 4000 level)
- CHEM 1311/1111 General Chemistry I with Lab, 4 hours
- CHEM 1312/1112 General Chemistry II with Lab, 4 hours
- COSC 1335 Computers and Problem Solving, 3 hours
- MATH 2413/2414 Calculus & Analytical Geometry I & II
- NTSC 4311 History & Philosophy of Science, 3 hours
- PHYS 1301/1101 and 1302/1102 College Physics, 8 semester credit hours OR PHYS 2325/2125 and 2326/2126, University Physics, 8 semester credit hours

GEOLOGY CORE COURSES:
- GEOL 1301/1101 Physical Geology, 4 credit hours
- GEOL 1302/1102 Historical Geology, 4 credit hours
- GEOL 3303/3103 Mineralogy, 4 credit hours
- GEOL 3304/3104 Igneous and Metamorphic Rocks, 4 credit hours
- GEOL 3305/3105 Structural Geology, 4 credit hours
- GEOL 3307/3107 Introduction to Paleontology, 4 semester hours
- GEOL 3308/3108 Sedimentary Rocks, 4 semester credit hours
- GEOL 3309 Sequence Stratigraphy, 3 sch
- GEOL 3329 GIS and GPS Applications, 3 sch
- GEOL 4600 Field Geology, 6 semester credit hours (or equivalent)

GEOLOGY ELECTIVES (5 to 7 upper level sch):
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.

DISC. COURSE GRADE CREDIT HOURS
1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 

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History

Jaime Aguila, PhD
Assistant Professor of History

Dr. Aguila obtained his BA and Master degrees from the University of California, Davis. His UG major was European and African history. His master’s degree was on Ancient European history with emphasis on late-Roman Republican historiography. His Ph. D. (2000) is from Arizona State University an his fields of study was Modern Mexico, 20th century Southern America and Policy studies. Dr. Aguila is currently working on a book about Mexican emigration to the United States and the Mexican consular system. He was also the first women’s soccer her at U. T. Permian Basin.

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

History concerns people in the broadest sense: the systematic study of the patterns, causes and consequences of human interactions, from individuals to civilizations. In its promotion both of greater awareness of the variety and richness of humanity’s heritage, and of critical analytical skills to understand and use that heritage, history embodies the meaning of “liberal arts” education.

History is a basic major for those preparing to teach history or social studies at all levels. The general background that it provides also serves as a solid foundation for careers in business, law, government, religion, military service, and journalism, among others.

The history program at UTPB requires a breadth of courses typical of programs elsewhere, within a flexible degree plan allowing for an emphasis in 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 52-53 of this catalog.

Students who have completed two lower level courses in American history before enrolling at 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 that requires actual use of computers.

Major Requirements

In addition to HIST 1301 and HIST 1302, students must complete at least one and up to two 2000-level non-US courses, and at least one upper level (3000 or 4000 level) in each of four fields: United States to 1900; United States since 1900; Africa/Asia/Europe; and Latin American history. It is desirable that these courses be completed during the junior and senior years.

Further, students must designate to their advisor from among these courses one 4000-level course as a “seminar” course, in which the student undertakes additional work involving either primary sources or historiography in collaboration with the instructor. A 6000-level course may also serve as a “seminar,” with the consent of the course’s instructor, and with fulfillment of other requirements for enrollment in graduate-level courses. The student must pass this seminar course with a "B" or better.
Courses Satisfying Field Requirements

1. United States to 1900
   HIST 3341 US 1603-1763: Colonial America
   HIST 3342 US 1763-1789: Revolutionary America
   HIST 3343 US 1789-1828: Early National Period
   HIST 3344 US 1828-1850: Jacksonian America
   HIST 3345 US 1850-1877: Civil War and Reconstruction
   HIST 3355 Slavery in America
   HIST 4349 Studies in pre-1900 US History
   HIST 4353 Chicano/a History to 1945
   HIST 4355 The American South
   HIST 4356 US Southern Leaders
   HIST 4357 History of Leadership
   HIST 4375 Women in Early America

2. States since 1900
   HIST 3346 US 1878-1928: Coming of Age
   HIST 3347 US 1928-1945: Depression and War
   HIST 3348 US 1945-present
   HIST 3350 Modern Texas
   HIST 3371 American Minorities
   HIST 4354 Post-War Chicano/a History
   HIST 4358 National Leadership in the Dilemma of Democracy
   HIST 4360 The Modern Presidency
   HIST 4362 American Foreign Relations Since 1920
   HIST 4363 Vietnam War
   HIST 4364 Mexican-American Women
   HIST 4365 Mexican-American Leaders
   HIST 4366 Civil Rights Movement
   HIST 4367 Race in the US and South Africa
   HIST 4370 American Petroleum Industry
   HIST 4376 Women in Modern America
   HIST 4377 African-American History
   HIST 4378 American Black Leaders
   HIST 4379 Studies in post-1900 US History

3. Africa/Asia/Europe
   HIST 3303 20th-Century World
   HIST 3321 Ancient Rome
   HIST 3323 Renaissance
   HIST 3324 Reformation
   HIST 3326 Europe Since 1815
   HIST 3331 Tudor-Stuart England
   HIST 3332 Great Britain Since 1714
   HIST 3335 Modern Germany
   HIST 3381 Modern China
   HIST 4307 South Africa
   HIST 4336 Nazi Germany
   HIST 4339 Studies in European History
   HIST 4367 Race in the US and South Africa
   HIST 4389 Studies in World History

4. Latin America
   HIST 3311 Mexico
   HIST 3314 Mexican/US Border
   HIST 4312 Mexican Revolutionary Leaders
   HIST 4313 Post-Modern Mexico
   HIST 4315 Latin American Independence
   HIST 4316 Military in South America
   HIST 4319 Studies in Latin American History

Students and advisors select courses in the context of background, preparation, interests, needs, and professional plans.
Minor in History

A minor in history consists of 18 semester credit hours, 9 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

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>HIST 1301</td>
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<tr>
<td>HIST 1302</td>
<td>U.S. History since 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 23xx</td>
<td>Any 2000-level</td>
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Upper Level

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<tr>
<td>History</td>
<td>Any upper level</td>
<td>3</td>
</tr>
<tr>
<td>History</td>
<td>Any upper level</td>
<td>3</td>
</tr>
</tbody>
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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 3350

Social Studies 4-8: ECON 2301, 2302; GEOG 1301, 1302, 33xx; HIST 1301, 1302, 3347, 3348, 3350; 3341 or 3342; 3345 or 4355; PLSC 2305, 2306; 4335 or 4336.

Social Studies 8-12: ECON 2301, 2302; GEOG 1301, 1302, 33xx; HIST 1301, 1302; 3341 or 3342; two 2000-level non-US history courses; two upper-level non-US history courses; two 20th-Century US history courses; PLSC 2305, 2306; 4335 or 4336; 3321 or 4321.

English Language Arts, Reading, & Social Studies 4-8: 24 semester hours ENGL at the sophomore level and above (with 6 hours at the 4000 level), including ENGL 3300; ENGL (American literature); ENGL (British literature); ENGL (fiction); ENGL (poetry); ENGL (drama); ENGL (language/rhetoric); ECON 2301; GEOG 1301, 1302; HIST 1301, 1302, 3350; 3341 or 3342; 3345 or 4355; PLSC 2305, 2306; 4335 or 4336; EDUC 3322, 4325, 4326, and 4375.

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 2306 Modern Africa (3)
This course will explore African history from the years immediately preceding colonization to the present, paying particular attention to imperialism, liberation struggles across the continent, and the postcolonial era. S

HIST 2310 The Hispanic World (3)
A survey of the Spanish-speaking people in Spain, Latin America, northern Africa, and the United States from 1492 to the present. FS

HIST 2312 Europe Since 1500
Introduction to European history, from the Renaissance and Reformation to the present. F
HIST 2323 Modern East Asia (3)
History of the Confucian cultures of China, Japan, and Korea, 1600-present. S

HIST 3303 20th-Century World (3)
History of the world from World War I and the Bolshevik Revolution to the collapse of the Soviet bloc, 1914-1991. F ‘05

HIST 3311 Mexico (3)
Survey of Mexican history from the late 18th century to the present. F ‘05

HIST 3314 Mexican/U.S. Border (3)
Study of the border-based on the border population’s perspective, 1848-present. F ‘06

HIST 3321 Ancient 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 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. F ‘06

HIST 3331 Tudor-Stuart England (3)
Political, religious, economic, and social development of England between 1485 and 1714. S ‘06

HIST 3332 Great Britain Since 1714 (3)
Political, economic, and social development of Great Britain and its empire from 1714 to the present. F ‘05

HIST 3335 Modern Germany (3)
Germany from the French Revolution to the 1990 reunification, with emphasis on political, economic, and social aspects. S ‘06

*HIST 3341 US 1603-1763: Colonial America (3)
This course covers the colonial era in the United States from the earliest permanent settlement to eve of the crisis with Great Britain, focusing on the main political, social, and cultural concerns of the era before American independence. F ‘05

*HIST 3342 US 1763-1789: Revolutionary America (3)
This course explores America through the Revolutionary era, focusing on the transition from British colonization to newly won independence and the establishment of a national government. S ‘06

*HIST 3343 US 1789-1828: Early National Period (3)
This course explores what is commonly referred to as America’s “early national” period. The country was still coming to grips with its newfound independence. Its institutions and ideals were tested and forged through an array of domestic and foreign challenges. F ‘06

*HIST 3344 US 1828-1850: Jacksonian America (3)
The emergence of American participatory democracy, and related economic and social trends leading to tensions and changes in America institutions. S ‘07

*HIST 3345 US 1850-1877: Civil War and Reconstruction (3)
Causes of conflict, the course of war, and the consequences for both North and South in the United States. S ‘07

*HIST 3346 US 1878-1929: Coming of Age (3)
This course explores the US in the Gilded Age, Populism, Progressivism, and the Roaring 1920s. During these years American transformed itself socially, culturally, politically, and globally, and became the most powerful nation on the globe while transforming domestically in ways that were staggering. S ‘06

*HIST 3347 US 1929-1945: Depression and War (3)
During the tumultuous years from 1929 to 1945 the United States endured the worst economic calamity in global history, the Global Depression. It also was the central allied force in the most devastating important war known to humankind. F ‘06
*HIST 3348 US 1945-present (3)
Political, economic, social, and cultural trends from the beginning of the Cold War and the “Baby Boom” to the present. S ’07

*HIST 3350 Modern Texas (3)
Political, social, economic, and cultural development of modern Texas. FS

*HIST 3355 Slavery in America (3)*
The establishment, experience, and end of slavery in the United States, 1619 to 1865. S ’06

*HIST 3371 American Minorities (3)*
Experiences and contributions of minorities in the development of American political and cultural traditions and institutions. S ’07

HIST 3381 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 4307 South Africa (3)
The course covers the history of South Africa with particular focus on the twentieth century, Apartheid, and the black liberation struggle. F ’05

HIST 4312 Mexican Revolutionary Leaders (3)
Readings, discussions, and research on the nature of leadership in Mexico and its influence on the development of Mexico since 1910. S ’06

HIST 4313 Post-Modern Mexico (3)
A study of Mexico’s transition from a one-party state into a functional democracy. S ’07

HIST 4315 Latin American Independence (3)
A comparative assessment of the causes and process of the Latin American independence period. F ’06

HIST 4316 Military in South America (3)
A study of the social, political, economic, and foreign causes of military dictatorship of 20th-century South America. S ’06

HIST 4319 Studies in Latin American History (3)
Reading, research, and discussion devoted to selected topics in Latin American history. Title and content may vary. May be repeated.

HIST 4336 Third Reich and Holocaust (3)
Studies in the political and social trends of Nazi Germany, and on the origins, implementation, and meaning of the Holocaust. S ’07

HIST 4339 Studies In European History (3)
Reading, research, and discussion devoted to selected topics in world history. Title and content may vary. May be repeated.

HIST 4349 Studies in pre-1900 US History (3)
Reading, research, and discussion devoted to selected topics in American history before 1900. May be repeated. Title may vary.

HIST 4353 Chicano/a History to 1945 (3)
Examines the history of individuals of Mexican heritage in the Southwest, from Spanish influence to 1945. The course will focus on themes such as identity, class distinction, gender roles, education, and race relations. F ’05

HIST 4354 Post War-Chicano/a History (3)
Examines Chicano/a history in the United States from 1945 to the present. Themes for the course will include political activism, economic changes and labor, race relations, and gender issues. S ’06

*HIST 4355 The American South (3)*
Social, economic, political, and intellectual trends in the historic and modern South. F ’05

*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 4360 The Modern Presidency (3)
This course explores the emergence of the "modern" presidency in the United States since the beginning of the 20th century. F '06

*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.

HIST 4363 Vietnam War (3)
Foreign and domestic policies and the military experience of the United States involvement in the Vietnam War.

HIST 4364 Mexican-American Women (3)
Examines the role women of Mexican heritage played in the Southwest from 1846 to the present. Topics of interest: gender relations, the family, culture, political activism, labor, and race relations. F '06

HIST 4365 Mexican-American Leaders (3)
The course identifies leaders of Mexican heritage played in the Southwest from 1846 to the present. Topics of interest: gender relations, the family, culture, political activism, labor and race relations. F '06

HIST 4366 The Civil Rights Movement (3)
This course explores the flight for racial justice in the 20th century with particular focus on the period after 1945. It will also investigate how the struggle for black civil rights expanded in the 1960s as women, Hispanics, and other group drew from the Civil Rights Movement to press their own demands for equality within American society. F '05

HIST 4367 Race in the US and South Africa (3)
Race has been a defining problem in both the United States and South Africa. In this course we explore, compare, and contrast white supremacy and the struggle against it in these two countries. S '06

HIST 4370 American Petroleum Industry (3)
History of the American petroleum industry from its origins to the present. S '07

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 African-American History (3)
This course investigates the main social, political, and cultural trends in African American history with particular focus paid to life during slavery, Reconstruction, the Jim Crow era, and the Civil Rights movement.

HIST 4378 American Black Leaders (3)
Ideas and issues arising from a study of selected African-American leaders.

*HIST 4379 Studies In post-1900 US History (3)†
Reading, research and discussion devoted to selected topics in American history after 1900. May be repeated. Title may vary.

HIST 4389 Studies in World History (3)
Reading, research, and discussion devoted to selected topics in African, Asian, or Islamic history. Title and content may vary. May be repeated.

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
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)
- 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 18
sch must be upper level. The 30 sch should include HIST
1301 & 1302. One 2000-level non-US course, and at least
one course from each of the following four groups. One
course (4000- or 6000- level) must be designated a
"seminar"-style course, passed with a "B" grade or better.

LOWER LEVEL HISTORY COURSES:
- HIST 1301 US to 1877
- HIST 1302 US since 1877
- HIST 2306 Modern Africa
- HIST 2310 Hispanic World
- HIST 2312 Europe since 1500
- HIST 2323 Modern East Asia
- HIST 23xx

GROUP 1: AMERICAN HISTORY TO 1900:
- HIST 3341 US 1603-1763 Colonial America
- HIST 3342 US 1763-1789 Revolutionary America
- HIST 3343 US 1789-1828 Early National Period
- HIST 3344 US 1828-1850 Jacksonian America
- HIST 3345 US 1850-1877 Civil War & Reconstruction
- HIST 3355 Slavery in America
- HIST 4349 Studies in pre-1900 US History
- HIST 4353 Chicano/a History to 1945
- HIST 4355 The American South
- HIST 4356 US Southern Leaders
- HIST 4357 History of Leadership
- HIST 4375 Women in Early America
- HIST

GROUP 2: 20th CENTURY AMERICAN HISTORY
- HIST 3346 US 1878-1928 Coming of Age
- HIST 3347 US 1928-1945 Depression and War
- HIST 3348 US 1945-present
- HIST 3350 Modern Texas
- HIST 3371 American Minorities

- HIST 4354 Post-War Chicano/a History
- HIST 4358 National Leadership/Dilemma of Democracy
- HIST 4360 The Modern Presidency
- HIST 4362 American Foreign Relations Since 1920
- HIST 4363 Vietnam War
- HIST 4364 Mexican-American Women
- HIST 4365 Mexican-American Leaders
- HIST 4366 Civil Rights Movement
- HIST 4367 Race in the US and South Africa
- HIST 4370 American Petroleum Industry
- HIST 4376 Women in Modern America
- HIST 4377 African-American History
- HIST 4378 American Black History
- HIST 4379 Studies in post-1900 History
- HIST

GROUP 3: AFRICA/ASIA/EUROPE
- HIST 3303 20th-Century World
- HIST 3321 Ancient Rome
- HIST 3323 Reform
- HIST 3324 Renaissance
- HIST 3326 Europe Since 1815
- HIST 3331 Tudor-Stuart England
- HIST 3332 Great Britain Since 1714
- HIST 3335 Modern Germany
- HIST 3381 Modern China
- HIST 4307 South Africa
- HIST 4336 Third Reich and Holocaust
- HIST 4339 Studies in European History
- HIST 4367 Race in the US and South Africa
- HIST 4389 Studies in World History
- HIST

GROUP 4: LATIN AMERICA
- HIST 3311 Mexico
- HIST 3314 Mexican/United States Border
- HIST 4312 Mexican Revolutionary Leaders
- HIST 4313 Post-Modern Mexico
- HIST 4315 Latin American Independence
- HIST 4316 Military in South America
- HIST 4319 Studies in Latin American History
- HIST

ELECTIVES:
- HIST 4374 Historic Preservation
- HIST 4391 Contract Study
- HIST

SEMINAR COURSE:
- HIST

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. 
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UTPB 2005-2007 Undergraduate Catalog 191
Humanities

Christopher Stanley
Associate Professor,
Chair of the Department of Humanities and Fine Arts

Mr. Stanley received his Bachelor degree and Master from the University of Kansas. He currently works as the Chair for the Department of Humanities and Fine Arts, and is a professor for the department of Art. Mr. Stanley exhibitions include national competitions, invitational exhibitions and during the Fall 1999 was named the artist in residence at the Kohler Corporation in Wisconsin. His ceramic bowls were published in a book entitled One Hundred Bowls. Mr. Stanley has received a grant for his work with U. T. system online program for his development of his art appreciation course.

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 52-53 of this catalog.

Computer Use:

All majors must demonstrate a basic use of the computer as an academic instrument.

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), Communication, Music, and Drama.

At least 36 of these 54 credits must be taken at the junior and senior level. A student who takes ARTS 3601 one or more times may count only 3 credit hours from these courses towards the 54 credit hours in this degree.

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 51-52 of the catalog for choices to satisfy these requirements.
**DEGREE PLAN: HUMANITIES**

**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, 2305 & 2306
- 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:**

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**Discipline II:**

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**Discipline III:**

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**Discipline IV:**

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**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), history, communication and music. At least two-thirds (36 credits) of courses in the humanities must be taken at the upper level.
Industrial Technology

Dr. Raj Desai
Assistant Professor and Coordinator of Industrial Technology

Dr. Raj Desai is an electrical engineer and the coordinator and founding faculty member of the Bachelor of Science in Industrial Technology program in the School of Business. His research interests are in the areas of innovation, applied technology, and distance education. He has a wide range of teaching experience at community colleges and universities accredited by the National Association of Industrial Technology (NAIT).

Administered by the School of Business, Industrial Technology is a field of study designed to prepare technical and/or management oriented professionals for employment in business, industry, education, and government. Industrial Technology is primarily involved with the management, operation, and maintenance of complex technological systems.

Students pursuing a Bachelor of Science (B.S.) in Industrial Technology degree receive a broad based general Industrial Technology education. Students develop not only their technical skills but their personality, cooperativeness, innovativeness, concern for the organization, communication skills and dependability. The program's objective is to equip its graduates to meet the new and emerging challenge of a modern high technology society.

Degree Requirements

The minimum total credits required for a BS degree in Industrial Technology is 121.

General Education Core Courses 44 credits

Complete the requirements shown in the General Education Requirements section on pages 52-53 of this catalog.

Include the following specified courses:

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>MATH 1324 &amp; 1325 or MATH 2412 &amp; 2413 or equivalent</th>
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<tbody>
<tr>
<td>Physical and Life Science</td>
<td>PHYS 1401 &amp; 1402 or CHEM 1331 &amp; 1332 or PHYS 1401 &amp; CHEM 1331 or Equivalent</td>
</tr>
<tr>
<td>Social Science</td>
<td>ECON 2301</td>
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</tbody>
</table>

Computer Use:

Industrial Technology Majors obtain skills in using computers in problem solving in COSC 1335, a required lower division course. ITEC 2400 will develop skills in computer aided design. ITEC 4304 will develop skills in computer aided manufacturing.

Industrial Technology Lower Division Required Courses 23 credits

<table>
<thead>
<tr>
<th>ACCT 2301 - Principles of Financial Accounting</th>
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<tbody>
<tr>
<td>ACCT 2302 - Principles of Managerial Accounting</td>
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<tr>
<td>ECON 2302 - Principles of Microeconomics</td>
</tr>
<tr>
<td>MNGT 2301 - Introduction to Statistics</td>
</tr>
<tr>
<td>COSC 1335 - Computers and Problem Solving</td>
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<tr>
<td>ITEC 2400 - Computer Aided Design</td>
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<tr>
<td>ITEC 2401 - AC/DC Circuits</td>
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</tbody>
</table>
Industrial Technology Major Upper Division Required Course  18 credits

MNGT 3302 - Inferential Statistics
MNGT/ITBC 3380 - Managing Technology
MNGT/ITBC 4380 - Total Quality Management
ECON 4337 - Engineering Economics
ITEC 3303 - Materials and Processes of Industry
ITEC 3305 - Industrial Safety and Health

Industrial Technology Major Elective Courses  30 credits
Choose 10 courses from the following:

Industrial Technology
ITEC 3302 Metals Technology
ITEC 3310 Machine Tool Technology
ITEC 4301 Manufacturing Control Systems
ITEC 4304 Instruments and Controls
ITEC 4305 Industrial Ergonomics

Management (Choose a maximum of 2 courses)
MNGT 3310 Management Concepts and Organization Theory
MNGT 3312 Human Resource Management
MNGT 3340 Production and Operations Management
MNGT 4340 Operations Analysis and Control Psychology
PSYC 4306 Industrial and Organizational Psychology

Petroleum Technology
PTEC 3301 Petroleum Fundamentals
PTEC 3302 Petroleum Measurement
PTEC 3303 Gas (Fluid) Measurement
PTEC 4301 Pipeline Hydraulics
PTEC 4302 Pipeline Technology
PTEC 4303 Petroleum Production Technology

Capstone Industrial Technology  6 credits
ITEC 4692 Internship

Course Listing

ITEC 2400 Computer Aided Design (4)
Provides an understanding of Computer-Aided Drafting principles and practice. Students will utilize the software command structure of two popular CAD programs.

ITEC 2401 AC/DC Circuits (4)
Introduction to the fundamental concepts of electric circuits, electric safety, power generation, metering instrumentation, and circuit analysis.

ITEC 3302 Metals Technology (3)
Problems of pattern development, shearing, cutting, forming, bending, folding, and fabricating sheet steel as related to the sheet metal industry.

ITEC 3303 Materials and Processes of Industry (3)
A study of the variety of materials, processes and equipment used by industry to change raw materials into industrial materials or finished products.

ITEC 3305 Industrial Safety and Health (3)
This course is a study of the problems involved in developing an integrative safety program for an industrial or commercial establishment. It involves safety education, safe worker practices, recognition and elimination of health hazards, machinery guards, in plant traffic, material handling and emergency treatment for industrial accidents.

ITEC 3310 Machine Tool Technology (3)
Theory and practice of metal machining. Study includes methods, processes and procedures associated with engine lathes, milling machines, grinders, and shapers. Prerequisite: ITEC 3302.
ITEC 3380 Managing Technology (3)
Study of the functions of a manager in technological and engineering oriented organizations. Crosslisted with MNGT 3380.

ITEC 4301 Manufacturing Control Systems (3)
Study of production facilities, including location, planning, design and maintenance. Prerequisite: ITEC 3305.

ITEC 4304 Instruments and Controls (3)
The study of control system design and implementation within an industrial setting including automated control systems, computer aided manufacturing, and remote sensing technologies.

ITEC 4305 Industrial Ergonomics (3)
The study of the design of systems in which human beings work. Study of the methods for the design and selection of safe and efficient work systems.

ITEC 4380 Total Quality Management (3)
This course covers the principles of quality management to include basic probability and statistics concepts, control charts for attributes and variables, sampling plans, quality audits and cost. Crosslisted with MNGT 4380.

ITEC 4692 Internship (3/6)
May be taken for 3 or 6 credits in a semester. Field learning experience in industry consisting of a minimum of 225 hours (15 hours per week for 15 weeks of the semester) for 3 credit hours, or 450 hours (30 hours per week for 15 weeks of the semester) for 6 credit hours. For Industrial Technology majors only. Prerequisites: senior standing and permission of instructor.

PTEC 3301 Petroleum Fundamentals (3)
An introduction to petroleum industry technology, equipment usage, and operating procedures.

PTEC 3302 Petroleum Measurement (3)
Study of the methods and techniques for accurate measurement of crude oil and refined products; uses the API Manual of Petroleum Measurement Standards.

PTEC 3303 Gas (Fluid) Measurement (3)
Study of the basics of physical and chemical makeup of gas mixtures, how the mixtures are affected by temperature and pressure, and how to analyze and determine good measurement and how to obtain it.

PTEC 4301 Pipeline Hydraulics (3)
Basic of pipeline hydraulics for operators.

PTEC 4302 Pipeline Technology (3)
Study of pipeline management, materials, design, construction, operations, and maintenance.

PTEC 4303 Petroleum Production Technology (3)
A survey of the technologies and processes used in petroleum production.
# Degree Plan: BS in Industrial Technology

## Freshman Year

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<th>Hours</th>
<th>Spring</th>
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## Senior Year

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Information Systems

Dr. Haesun K. Lee
Assistant Professor

Dr. Lee received her Bachelor and Master Degrees from Ewha Women University and received her PhD degree in Computer Science from Illinois Institute of Technology (1997).

Dr. Ilhyun Lee
Assistant Professor

Dr. Lee received his Bachelor and Master degrees in Computer Science from the University of Minnesota and received his Ph.D. in Computer Science from Illinois Institute of Technology. (1996)

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 128.

General Education

Students must complete the requirements shown in the General Education Requirements section on pages 52-53 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 upper level 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

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<th>Course</th>
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<td>ARTS</td>
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<td>COMMUNICATION</td>
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Business Core

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<tr>
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<tr>
<td>MNGT 3340</td>
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</table>

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>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
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<td>COSC 1430, 2430</td>
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<td>ACCT 4311</td>
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One elective course from among:

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<tr>
<td>COSC 4370</td>
<td>3</td>
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<tr>
<td>ACCT 3338</td>
<td>3</td>
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</tbody>
</table>
The minor program  

All information systems majors have in common the minor in general business which, combined with the business core, provides a solid foundation in business management:

- MNCT 3310  3
- MRKT 3300  3
- FINA 3320  3
- ACCT 3310  3

Capstone courses  

All information systems majors share a capstone experience with all other science and mathematics majors:

- NTSC 4301  3
- NTSC 4311  3
- Total lower division credits  74 - 76
- Total upper division credits  43 - 44

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 10 to 11 credits.

Total credits  128 - 130

No more than 53 hours in any combination of computer science and information systems courses may be applied toward the 128 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 2420 C Programming  3
- 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 2420 C Programming (4)
Programming in C, investigating the characteristics and implementation. Prerequisite: COSC 1430.

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,S

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. F,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 4335 Distributed Information Systems (3)
Study of network-based information systems, including distributed database systems. Prerequisite: COSC 4415

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.

COSC 4415 Database Systems (4)
Survey of network, hierarchical and relational database systems, their design and operation. Prerequisite: COSC 3315

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 software systems development. Visual modeling, software development life cycle, CASE tools, Web-based information systems. Prerequisite: COSC 3315 F

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

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<th>Date</th>
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<th>Grade</th>
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| Minor               |       |         |       |               |      |         |       |
| MNGT 3310           | 3    |         |       |               |      |         |       |
| MRKT 3300           | 3    |         |       |               |      |         |       |
| FINA 3320           | 3    |         |       |               |      |         |       |

| Business Core       |       |         |       |               |      |         |       |
| ACCT 2301           | 3    |         |       |               |      |         |       |
| ACCT 2302           | 3    |         |       |               |      |         |       |
| ECON 2302           | 3    |         |       |               |      |         |       |
| MNGT 2301           | 3    |         |       |               |      |         |       |
| MNGT 3302           | 3    |         |       |               |      |         |       |
| MNGT 3340           | 3    |         |       |               |      |         |       |

| Electives           |       |         |       |               |      |         |       |
| Capstone Courses    |       |         |       |               |      |         |       |
| NTSC 4301           | 3    |         |       |               |      |         |       |
| NTSC 4311           | 3    |         |       |               |      |         |       |
Kinesiology

Dr. Patricia Sherblom
Assistant Professor of Kinesiology

Dr. Sherblom received her BA from United States International University, San Diego, CA (1977), and her master's degree from the University of Massachusetts, Amherst (1982), and her Ph. D. degree from University of New Mexico, Albuquerque (1995).

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, biomechanics, 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 teaching 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.

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 52-53 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 student's career goals. It is important for the student to discuss each area with the 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.

- KINE 1109 Forms of Movement Courses (12 activities)
- KINE 1301 Concepts in Fitness and Health
- KINE 3310 Motor Development
- KINE 3330 Physical Activity for the Disabled
- KINE 3340 Analysis of Human Movement
- KINE 3350 Exercise Physiology
- KINE 3151 Lab: Exercise Physiology
- KINE 4300 Measurement of Performance in Sport and Exercise Sciences
- KINE 4310 Sports Skill Analysis
- KINE 4330 Motor Learning and Control
- KINE 4340 Sociology of Sport
- *KINE 4391 Independent Study in Kinesiology
- *KINE 4392 Practicum in Kinesiology
- KINE 1306 or First Aid
- KINE 2370 Care and Prevention of Athletic Injuries
- KINE 4320 or Psychology of Sport
- KINE 4350 Psychology of Exercise

* 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.

- KINE 1109 Forms of Movement Courses (8 activities)
- KINE 1301 Concepts in Fitness and Health
- KINE 1306 First Aid
- KINE 2370 Care and Prevention of Athletic Injuries
- KINE 3310 Motor Development
- 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 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: 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.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>KINE 1109</td>
<td>Forms of Movement Courses (8 activities)</td>
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<tr>
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<td>Concepts in Fitness and Health</td>
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<td>KINE 4300</td>
<td>Measurement of Performance in Sport and Exercise Sciences</td>
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<td>KINE 4340</td>
<td>Sociology of Sport</td>
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<td>Psychology of Sport</td>
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<tr>
<td>KINE 4350</td>
<td>Psychology of Exercise</td>
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<tr>
<td>Electives</td>
<td>(six credit hours)</td>
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IV. Athletic Training Specialization

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<th>Course Code</th>
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<tr>
<td>KINE 1109</td>
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<td>KINE 1306</td>
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<tr>
<td>KINE 3370</td>
<td>Advanced Athletic Training</td>
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<td>Measurement of Performance in Sport and Exercise Sciences</td>
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<td>KINE 4340</td>
<td>Sociology of Sport</td>
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<tr>
<td>KINE 4355</td>
<td>Counseling in Athletic Training</td>
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<tr>
<td>KINE 4364</td>
<td>Exercise and Nutrition</td>
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<tr>
<td>KINE 4370</td>
<td>Therapeutic Modalities</td>
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<tr>
<td>KINE 4395</td>
<td>Athletic Training Practicum (6 x 0.5 credit sections)</td>
</tr>
</tbody>
</table>

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: Sports 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.

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 have 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 3350: Exercise Physiology (3 credits)
14. KINE 3151: Lab: Exercise Physiology (1 credit)
15. KINE 4310: Sports 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 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 1306 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,S,Su

KINE 1306 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 1389 Selected Topics in Kinesiology (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 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. F

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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,S

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.

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,S,Su

KINE 3330 Physical Activity for the Disabled (3)
Introduction to various disabling 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 disabled 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. F

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 and 2385 or equivalent. 507

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. S’07

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’06

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. S’06

KINE 4355 Counseling in Athletic Training (3)
Identification and analysis of the psychosocial factors related to the prevention of and recovery from athletic injuries and the development of counseling and referral skills needed when working with athletes and others in the sports medicine environment. S’06

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. Prerequisite: KINE 2385 (3 credits), or BIOL 3350/3151 and BIOL 3352/3153 (8 credits), or equivalent. S’07.

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. F’05.

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 nutritional needs of athletes as well as possible ergogenic 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. Prerequisite: KINE 2385 (3 credits), or BIOL 3350/3151 and BIOL 3352/3153 (8 credits), or equivalent. S’06.

KINE 4370 Therapeutic Modalities (3)
In-depth study and practice in the use of various therapeutic modalities and rehabilitation equipment, appropriate to the clinical setting in athletic training. Prerequisite: KINE 2370 or equivalent. S’06.

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 faculty of 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 research methodology must include professional involvement over time with individuals in an exercise and/or sport setting. 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

KINE 4395 Practicum in Athletic Training (0.5)
Students will engage in supervised clinical activities associated with professional athletic training practice. Activities will take place on and off campus. Three hundred clinical hours are required for credit. Students interested in taking the licensing examination for athletic training in the state of Texas must complete 1800 hours of clinical work over a three-year period (6 semesters). 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 2328
- U.S. History, 6 credits (2 courses) 1301 & 1302 recommended
- U.S. and State Government, 6 credits (2 courses) 2305, 2306
- 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 (1 course)

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.

MINOR (or second teaching field):
Students majoring in Kinesiology are required to complete an academic minor which unusually consists of 18scl. Please consult the 2005-2007 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 advisor to be certain that you have the correct number and choice of courses.

DISC. COURSE GRADE CREDIT HOURS
1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 

*KIf student teaching has been successfully completed, these two courses may be waivered 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.
**The KINE 1109 Forms of Movement credits do not apply to the 37 sch required for the BS degree, but DO count toward 120 hours.

KINESIOLOGY DEGREE REQUIREMENTS:
- Prerequisites for KINE 2370, KINE 3340; KINE 3350; KINE 4310
  - KINE 2385 Anatomy & Physiology for Kinesiology (3 credits) or
  - BIOL 3350/3151 Human Anatomy & Lab (4 credits) and
  - BIOL 3352/3153 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 3151 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 3350 Physical Activity for Handicapping Conditions
  - KINE 4310 Sports Skill Analysis (Prereq KINE 2385)
  - KINE 4330 Motor Learning and Control
  - KINE 1306 First Aid OR KINE 2370 Care & Prevent Athletic Injuries
    (Prerequisite KINE 2385 for KINE 2370)
    - KINE 4320 Psych of Sport OR KINE 4350 Psych of Exercise
    * KINE 4391 Independent Study in Kinesiology
    * KINE 4392 Practicum in Kinesiology (elective)

II. Exercise Science and Human Performance
- KINE 1109 Forms of Movement Courses (8 activities)**
- KINE 1301 Concepts in Fitness and Health
- KINE 1306 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 1306 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
    - 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 1306 First Aid
- KINE 2370 Care & Prevention Athletic Injuries (Prereq KINE 2385)
- KINE 3370 Advanced Athletic Training
- KINE 4355 Counseling in Athletic Training
- KINE 4364 Exercise and Nutrition
- KINE 4370 Therapeutic Modalities
- KINE 4395 Athletic Training Practicum (6 x 0.5 credit)

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Leadership Studies

Carol Ann Traut,
Professor of Public Leadership and Faculty Associate for John Ben Shepperd Public Leadership Institute.
BA, Wayne State College, MLS, Drexel University; MA, Kansas State University; PhD (1988) Florida State University.

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

The B. A. degree 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 component is 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 Studies
LEAD 3301    Advanced Leadership Theory
LEAD 4339    Leadership and Ethics
LEAD 4370    Conflict Resolution
LEAD 4392    Practicum (3 credit hours)

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 1301 Introduction to Leadership Theory

Two Courses from the following list:

LEAD 3301 Advanced Leadership Theory
LEAD 4339 Leadership and Ethics
LEAD 4370 Conflict Resolution
LEAD 4392 Practicum

Two Courses from the LEAD Electives list below:

LEAD 4320 Women in Leadership
LEAD 4340 Group Leadership (or COMM 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 4360 Strategic Leadership and Planning
LEAD 4365 Mexican American Leaders (or HIST 4365)
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 4360 American Presidency
PLSC 4345 Public Policy
PLSC 4347 Public Administration
PLSC 4354 Congress and the Presidency
MNGT 4330 Entrepreneurial Leadership

Course Listing

LEAD 1301 Introduction to Leadership Studies (3)*
Introduction to leadership studies and practices in modern society.

LEAD 3301 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 4312 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 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 4360 Strategic Leadership and Planning (3)
Leadership skills in analysis and planning for public organizational change.

LEAD 4361 The Modern Presidency (3)
This course will explore the emergence of the "modern" Presidency in the United States since the beginning of the 20th Century. We will investigate how the office of the President has changed with particular focus on the powers and limitations of the office in the domestic and foreign policy sphere. We will also examine how the Presidency has changed as a result of transformations in media, technology, and public accessibility and expectations.

LEAD 4365 Mexican American Leaders (3)
The course will identify leaders of Mexican heritage in the Southwest and examine their role in politics, social movements, labor issues, and race relations.

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 4692 Practicum (3 or 6)
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.

† Course fulfills general education requirements
DEGREE PLAN: LEADERSHIP STUDIES

GENERAL EDUCATION REQUIREMENTS:
(44sch; 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 (2305 & 2306)
___ Science with Lab
___ Math (College Algebra or above)
___ Math (Computing, logic, statistics)
___ COMM 1315, 1316, or 2310
___ Visual and Performing Arts
___ Social Science

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 54sch must be taken at the junior/senior level. At least 30sch 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 30sch which is composed of a core of 15sch combined with 15sch 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 (15sch required):
___ LEAD 1301 Introduction to Leadership Studies
___ LEAD 2301 Advanced Leadership Theory
___ LEAD 4339 Leadership and Ethics
___ LEAD 4370 Conflict Resolution
___ LEAD 4692 Practicum (3 hours)

ELECTIVE COURSES TO COMPLETE THE MAJOR
(15sch 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 4312 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:
___ MNST 4301 Entrepreneurial Leadership
___ PLSC 3345 Public Policy
___ PLSC 4347 Public Administration
___ PLSC 4354 Congress and the Presidency
___ COMM 4340 Group Leadership
___ LEAD 4365 Mexican American Leaders
Management

Dr. Lloyd J. Taylor, III
Associate Professor and Coordinator of Management

Lloyd J. Taylor, III, P.E., Ph.D., received his doctorate degree in Quantitative Sciences from the College of Business, Texas Tech University. He has several years of small business experience in the areas of quality control, production, fabrication, and assembly, which he enjoys sharing with his students in the classroom. Dr. Taylor's teaching interests are in the areas of Quantitative Analysis, Statistics, Production/Operations Management, Total Quality Management, and Decision Support Systems. His research interests are in the areas of the Theory of Constraints, Constraint Management, Production Line Capacity, Inventory Management Models, and Computer Simulation. Currently, Dr. Taylor has several journal articles published in the British Journal of Management, Integrated Manufacturing Systems, Business Process Management Journal, Midwestern State University Faculty Forum, Southwest Oklahoma Economic Review, and the Midwestern Economic Review. Dr. Taylor is also a Registered Professional Engineer and a Certified Jonah.

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 52-53 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 or 1405), 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 64 of this catalog.

Upper Level Business Common Core Courses 30 Credits

Complete the requirements shown in the Business Common Core Course section on page 64 of this catalog.
Other Required Upper Level Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>MNGT 3330</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 3370</td>
<td>Business and Society</td>
<td>3</td>
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<tr>
<td>Approved Business electives totaling 9 credit hours</td>
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<td><strong>Total</strong></td>
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</table>

Management Minor

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

Required Courses for Management Minor

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MNGT 3310</td>
<td>Management Concepts and Organization Theory</td>
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<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>
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<tr>
<td>MNGT 3330</td>
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<td>3</td>
</tr>
<tr>
<td></td>
<td>3 additional approved hours of MNGT other than MNGT 4375</td>
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</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Course Listing

MNGT 1301 Introduction to Business (3)
Introduction to the role of business in modern society. Includes overview of business operations, analysis of the specialized fields within the business organization, and development of a business vocabulary.

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. Prerequisites: 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 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)
Introduction to the organizational and managerial foundations of information systems. The role of information systems in enhancing business processes and management decision making is emphasized. Students experience use of business application software in problem solving. Prerequisites: COSC 1335 (BCIS 1305 or 1405). 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 3380 Managing Technology (3)
Study of the functions of a manager in technological and engineering oriented organizations. Crosslisted with ITEC 3380.

MNGT 4310 Management of Hydrocarbon-Based Energy Enterprises (3)
This course provides a basic examination of the business of exploration, drilling, completion, recovery, storage, transportation, refining, and marketing of hydrocarbons. Topics covered include acquiring hydrocarbon leases and producing properties and current environmental issues affecting the hydrocarbon industry in the Permian Basin area. Cost comparisons of hydrocarbon-based energy and alternative energy sources will be introduced. Prerequisite: junior standing or permission of instructor.

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. Crosslisted with MRKT 4320.

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. Prerequisites: MNGT 3310 and MNGT 3324.

MNGT 4330 Entrepreneurial Leadership (3)
This course is intended to draw upon the experiences of local entrepreneurs regarding their leadership experiences while self-venturing. Maximum participation from these local entrepreneurs in the classroom will be utilized to enhance class discussion of the role of change agents in our economy. Prerequisites: MNGT 3310 and 2 additional upper level courses in any business discipline.
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.

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 4355 Employment and Labor Law (3)
An analysis of historical and contemporary laws in the United States that affect the human resource management function. Integration of employment and labor laws with social and economic forces shaping the current diverse management-labor environment. Prerequisites: MNGT 3310, MNGT 3312, and MNGT 3324.

MNGT 4360 Small Business Consulting (3)
Practical application of small businesses principles are applied in a student consulting project with a local small business. Teams of students directed by a School of Business faculty member will conduct a complete strategic analysis of an assigned local firm. The course must be taken concurrently with MNGT 4380. Prerequisites: Completion of 42 upper level hours of business courses including all business core courses.

MNGT 4370 International Entrepreneurship (3)
The primary focus of this course will be to address issues relating to small business and entrepreneurship from the uniqueness of the international market place. The course involves travel to host communities in Mexico. Prerequisites: MNGT 3310 and 2 additional upper level courses in any business discipline.

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. A $30 supplemental fee is required for the Major Field Test of Business. Prerequisite: Completion of at least 42 upper level hours of business courses including all other business core courses.

MNGT 4380 Total Quality Management (3)
This course covers the principles of quality management to include basic probability and statistics concepts, control charts for attributes and variables, sampling plans, quality audits and cost. Crosslisted with ITEC 4380.

MNGT 4385 Strategic Management for Small Businesses (3)
Serves as a capstone course of the business administration degree. Based upon environmental analysis, the formulation and implementation of strategic decisions within the small business organization are addressed. Emphasis is placed on the integration of decisions at the functional areas. A $30 supplemental fee is required for this course. Prerequisites: Completion of 42 upper level hours of business courses including all business core courses.

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 experience as a management professional that enables the student to explore career options. Internship must involve work that is substantially management in nature with job responsibilities similar to those that a full-time employee would face. May be taken only once for credit. Prerequisites: MNGT 3310, MNGT 3340, and 3 additional hours of upper-level management 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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<tr>
<th>Fall</th>
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<td>ENGL 1301</td>
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<td>ENGL 1302</td>
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<td>MATH 1325</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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<td>PLSC 2306</td>
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<td>PLSC 2305</td>
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<td>MNGT 2301</td>
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<td>PSYC 1301</td>
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## Junior Year

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<td>ACCT 3333</td>
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<td>MNGT 3312</td>
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<tr>
<td>English Literature</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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<tr>
<td>MNGT 3330</td>
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<td>MNGT 3340</td>
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<td>MNGT 3370</td>
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<td>Business Elective</td>
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Marketing

Dr. Cathie H. Tinney
Associate Professor and Coordinator of Marketing

Dr. Cathie H. Tinney is an Associate Professor of Marketing. She has degrees from South Dakota State University and the University of Minnesota. Dr. Tinney teaches principles of marketing, consumer behavior, leadership for women in business, and product/service management. The influence of the extended family and family structures on consumer purchase behavior throughout the family life cycle are the focus of Dr. Tinney’s research activities.

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** 47 Credits

Complete the requirements shown in the General Education Requirements section on pages 52-53 of this catalog. Include the following specified courses:

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

**Computer Use**

Marketing majors obtain skills in using computers in problem-solving in COSC 1335 (BCIS 1305 or 1405), 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 64 of this catalog.

**Upper Level Business Common Core Courses** 30 Credits

Complete the requirements shown in the Upper Level Business Common Core Courses section on page 64 of this catalog.

**Other Required Upper Level Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td>MRKT 4312</td>
<td>Marketing Management</td>
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<td>MRKT 4314</td>
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<td>Approved Business electives totaling 9 hours</td>
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**Total Credits**: 27

220  UTPB 2005–2007 Undergraduate Catalog
Marketing Minor

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

**Required Courses for Marketing Minor**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>MRKT 3300</td>
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<tr>
<td>MRKT 3315</td>
<td>Consumer Behavior</td>
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<tr>
<td>MRKT 4314</td>
<td>Marketing Research and Information Systems</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18 Credits</strong></td>
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</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. FS

**MRKT 3304 Small Business Marketing (3)**
Survey of marketing functions for small business owners. A focus will be given to unique issues of product, price promotion and distribution within the context of small business ownership. Prerequisite: MRKT 3300.

**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.

**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.

**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.

**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.

**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.

**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.

**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).
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. Crosslisted with MNGT 4320. 504

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.

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.

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 experience as a marketing professional that enables the student to explore career options. Internship must involve work that is substantially marketing in nature with job responsibilities similar to those that a full-time employee would face. May be taken only once for credit. Prerequisites: MRKT 3300, MRKT 4312, and 3 additional hours of upper-level marketing 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>
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<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<td>ENGL 1302</td>
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<td>COMM 1315</td>
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<td>Visual/Performing Art</td>
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<td>Lab Science</td>
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<td><strong>Total</strong></td>
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</table>

## Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
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<tr>
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<td>COSC 1335</td>
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<td>PSYC 1301</td>
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<td>SOCI 1301</td>
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## Junior Year

<table>
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<tr>
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<th>Hours</th>
<th>Spring</th>
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<td>MRKT Elective</td>
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<tr>
<td>MRKT 3300</td>
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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

<table>
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<th>Fall</th>
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<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>
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<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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<tr>
<td>Business</td>
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<td>MNGT 4375</td>
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<td>Business</td>
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<td>Business Elective</td>
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<td><strong>Total</strong></td>
<td><strong>15</strong></td>
<td></td>
<td><strong>15</strong></td>
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</table>
Mathematics

Paul Feit,
Associate Professor of Mathematics.

Dr. Paul Feit is an associate professor and the area Coordinator for the Computer Science and Mathematics Department. Dr. Feit received his Bachelors degree from Harvard University and his Ph.D. Princeton University (1985).

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 52-53 of this Catalog. It is recommended that the courses in physical and life science 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 4311. 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 in 4-8 levels should take MATH 3308, Theory of Numeration as one of the advanced mathematics electives. Those candidates in certification at either the 4-8 or 8-12 level must take MATH 3350, Geometry. 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 4-8:** MATH 2412, 2413, 2414, 3308, 3301, 3305, 3315, and 3350.

**Minor in Mathematics**

**Lower Level:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<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>
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</table>

**Upper Level:**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>MATH 3305</td>
<td>Mathematical Reasoning</td>
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**One from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</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>
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</tbody>
</table>

**One from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</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>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Total** 20-21

Students minoring in Mathematics must have at least 9 credit hours at the upper level and at least 20 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**

Five 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 1314 is a standard College Algebra course and begins a sequence for students seeking to teach elementary school mathematics without a BA in mathematics.
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 (3)
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 1314 College Algebra (3)*
Study of quadratics, polynomial, rational, logarithmic, and exponential functions; systems of equations; progressions; sequences and series; and matrices and determinants. 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 1324 Applications of Discrete Mathematics (3)*
Mathematics for modeling in the social and behavioral sciences. Topics include algebra, linear equations in two variables, and exponential and logarithmic functions. Other topics are chosen by the instructor. Course emphasizes application to social science and economics. Prerequisite: Two years of high school algebra, one year of high school geometry and a satisfactory score on placement examination or completion of MATH 0399. FS

MATH 1325 Applications of Continuous Mathematics (3)*
This course introduces differential calculus and its applications to optimization. Applications are drawn from social science and economics. Prerequisite: MATH 1324. FS

MATH 1332 Contemporary Mathematics I (3)*
Modern applications 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 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 1350 Foundations of Elementary Mathematics I (3)*
Concepts of sets, functions, numeration systems, number theory; and properties of the natural numbers, integers, rational, and real number systems with an emphasis on problem-solving and critical thinking. Prerequisite: Completion of MATH 1314 with a grade of C or better.

MATH 2350 Foundations of Elementary Mathematics II (3)
Concepts of geometry, probability, and statistics, as well as applications of the algebraic properties of real numbers to concepts of measurement with an emphasis on problem-solving and critical thinking. The course is designed specifically for students who seek middle grades (4-8) teacher certification. Prerequisite: Completion of MATH 1350 with a grade of C or better, and MATH 1314.

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 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 3308 Theory of Numeration (3)
This course introduces theoretical issues behind the standard conventions for writing natural numbers, fractions, and real numbers. Topics include basic set theory, arithmetic as counting, uniqueness of prime factorization, and infinite decimal notation. Prerequisite: MATH 3305 or permission of the instructor.

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 congruencies, Euler’s phi function, Diophantine equations and other selected topics. Prerequisite: MATH 3305.

MATH 4370 Analysis of 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

sch = semester credit hours

General Education Requirements (44-46 hours):
- English Composition, 6 sch: ENGL 1301, 1302
- Literature, 3 sch: ENGL 2322, 2323, 2327, 2328
- Science with lab, 8 sch: Biology, Chemistry, Geology, Physics
- U.S. History, 6 sch: HIST 1301, 1302
- U.S. & State Govt, 6 sch: PLSC 2305, 2306
- Communication, 3 sch: COMM 1311, 1315, 1321, 2320
- MATH 2413 Calculus I, 3/4 sch
- MATH 2414 Calculus II, 3/4 sch
- Visual or performing arts, 3 sch
- Social science, 3 sch

DEPARTMENTAL REQUIREMENTS:
- Programming, 3 sch: COSC 1335, 1430, or 2320
- Environmental Ethics, 3 sch: NTSC 4301
- History & Philosophy of Science, 3 sch: NTSC 4311
- Literature, 3 sch, preferably at 3xxx or 4xxx level

HOURS FROM OTHER INSTITUTIONS, IF ANY:
To graduate, a student must have:
- At least 120 sch in total from courses at UTPB or accepted for transfer;
- At least 54 sch from upper level courses at UTPB or upper level courses transferred;
- At least 30 from UTPB.

Freshman/sophomore total transferred: __________
Junior/senior level total transferred: __________

FURTHER NOTES ON GRADUATING:
1. It is the student’s responsibility to read the UTPB catalog and be familiar with and fulfill all the requirements for the B.S. degree.
2. A candidate must receive a C grade in all courses that fulfill either a General Education requirement or a major requirement.
3. A candidate must maintain a grade point average of at least 2.0 (or C) in all courses applicable toward the B.S. degree.

MATHEMATICS COURSES:
All courses require MATH 2414
- MATH 2415 Calculus III, 4 sch
- MATH 3301 Statistics, 3 sch
- MATH 3305 Mathematical Reasoning, 3 sch
- MATH 3310 Linear Algebra, 3 sch
- MATH 3315 Algebraic Structures, 3 sch (pre: MATH 3305)
- MATH 3360 Intermediate Analysis, 3 sch (pre: MATH 3305)

Additional: MATH 3300, MATH 3308, MATH 3350 and MATH 4350 may suit students interested in teacher certification.
- MATH 3xxx or 4xxx
- MATH 3xxx or 4xxx
- MATH 3xxx or 4xxx

Students who seek teacher certification at EC-4 are not required to complete a minor, but should complete a minimum of 24 credits in their second teaching field.

MINOR: The requirements of each minor are listed in the UTPB catalog under the discipline of the minor. A common requirement is for 18 sch, of which 9 sch are upper level.
Multicultural Studies

(Minor Only)

Ana 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 class here at U.T. Permian Basin. Her research areas in Spanish linguistics and sociolinguistics has led her study Texas legend Stephen F. Austin and his impact on Spanish Linguistics. In 1996, she was the recipient if the Golden Windmill award at U.T. Permian Basin for her research.

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 | HIST 3371 | American Minorities |
| ARTS 2341 | Art History Survey II | HIST 3381 | Modern China |
| ARTS 3300 | Cross Cultural Art History | HIST 4307 | South Africa |
| ARTS 3301 | Women in Art II | HIST 4315 | Latin American Independence |
| ARTS 3303 | American Art History I | HIST 4336 | Third Reich/Holocaust |
| ARTS 3304 | American Art History II | HIST 4353 | Chicano/a History to 1945 |
| ARTS 3305 | Modern Hispanic Art | HIST 4354 | Chicano/a History from 1945 |
| ARTS 4302 | Hist African-American Art | HIST 4355 | American Sout |
| COMM 4308 | Intercultural Communication | HIST 4364 | Mexican-American Women |
| DRAM 4340 | Topics in Theatre History | HIST 4365 | Mexican-American Leaders |
| EDUC 3322 | Developing Reading Strategies | HIST 4366 | US Civil Rights Movement |
| ENGL 3306 | Ethnic Literature | HIST 4367 | Race in US and South Africa |
| ENGL 3325 | American Women Playwrights | HIST 4378 | American Black Leaders |
| HIST 2306 | Modern Africa | MNGT 4320 | International Management |
| HIST 2310 | Hispanic World | PSYC 3311 | Social Psychology |
| HIST 2312 | Europe since 1500 | PSYC 3341 | Child/Adolescent Psychology |
| HIST 2323 | Modern East Asia | PSYC 4307 | Health Psychology |
| HIST 3303 | 20th Century World | PSYC 4381 | Gender Studies |
| HIST 3314 | Mexican/US Border | SOCI 3345 | Race, Gender, Ethnicity and Social Change |
| HIST 3326 | Modern Europe | SOCI 3348 | Population Dynamics |
| HIST 3355 | Slavery in America | SOCI 3349 | The Child in Society |
SOCl 4317  Women's Studies  SPAN 3321  Hispanic Civilization
SOCl 4320  Social Stratification  SPAN 4301  Spanish Literature I
SOCl 4325  Globalization  SPAN 4311  Spanish-American Literature I
SOCl 4370  Family Dysfunction & Sub. Abuse  SPAN 4351  Mexican Literature
SPAN 3311  Practical Spanish and Translation  SPAN 4352  Mexican-American Literature

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.
Multidisciplinary Studies

Administrator by the College of Arts and Sciences in collaboration with the School of Education.

The Multidisciplinary Studies major is designed to provide future elementary and middle school teachers with a sound academic foundation in the Humanities, Fine Arts, Science, Mathematics, and Social Sciences. Drawing on a rich tradition of 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.

The Multidisciplinary Studies degree features three tracks: an Early Childhood - Grade 4 teacher certification track, a Grades 4-8 teacher certification track, and a General Studies track for students who are not seeking certification.

Degree Requirements

The minimum total credits required for a BA in Multidisciplinary Studies is **125**.

**General Education**

44 credits

Complete the General Education Requirements on pages 52-53 of this catalog, including MATH 1314 or 1324 and MATH 1350. The science courses must consist of a paired sequence, e.g., BIOL 1306/1106 and 1307/1107, CHEM 1311/1111 and 1312/1112, GEOL 1301/1101 and 1302/1102, PHYS 1301/1101 and 1302/1102, or ENSC 1401 and 1402.

**Computer Use**

Multidisciplinary Studies majors must demonstrate a basic use of computing through completion of PSYC 3301.

**Major Courses**

60-64 credits

**Language Arts and Reading (15-21 credits)**

- ENGL 3300  
  Theoretical Approaches to Literature
- ENGL 3371  
  The English Language
- or ENGL 3372  
  English Grammar
- ENGL 33xx  
  (ENGL 3340 recommended)
- ENGL 33xx or 43xx  
  Upper-level course in literature
- EDUC 3322\(^1\)  
  Developing Reading Strategies Through Classroom Literature
- or COMM 2333\(^1\)  
  Small Group Communication
- or COMM 4308\(^1\)  
  Intercultural Communication
- EDUC 4324\(^2\)  
  Reading and Literacy: EC-Grade 4
- or EDUC 4315\(^2\)  
  Cognition and Literacy
- EDUC 4313\(^3\)  
  Emergent Literacy
- or EDUC 4325\(^3\)  
  Reading and Literacy: Grades 4-8

\(^1\) Take EDUC 3322 for certification; otherwise take COMM 2333 or 4308.
\(^2\) Take EDUC 4315 for bilingual certification; take EDUC 4324 for non-bilingual certification.
\(^3\) Take EDUC 4313 for EC-4 certification; take EDUC 4325 for 4-8 certification.

**Social Sciences/Social Studies (15-21 credits)**

- KINE 1301\(^4\)  
  Concepts in Fitness and Health
- or KINE 3310\(^4\)  
  Motor Development
- GEOG 1301  
  Physical Geography
- or GEOG 1302  
  Cultural Geography
- PSYC 3341  
  Child and Adolescent Psychology
- PSYC 4341  
  The Exceptional Child
- or EDUC 4341  
  The Exceptional Child
- CHLD 4311\(^4\)  
  Development and Learning
- HIST 3350  
  Modern Texas
- or HIST 3341  
  U.S. from 1607-1763: Colonial Era
- or HIST 3342  
  U.S. from 1763-1789: Revolutionary America
- or HIST 3343  
  U.S. from 1789-1828: Early National Period
- or HIST 3345  
  U.S. from 1850-1877: Civil War and Reconstruction
ARTS 3300       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 SPAN 3378     Hispanic Children's Literature
or EDUC 3362     Foundations of Bilingualism and Multiculturalism

^ Take for EC-4 certification or General Studies.

Mathematics (6-10 credits)

MATH 2350       Foundations of Elementary Mathematics II
PSYC 3301       Introductory Statistics (or equivalent course)
MATH 2412^      Precalculus
or MATH 2413^   Calculus I

^ Take if seeking Grades 4-8 certification.

Physical and Life Science (14-16 credits)

When the four courses required here are combined with the two science courses taken to meet the general education requirements, they must include at least one course in each of the following: Earth Science, Biology, and Physical Science. ENSC 1401/1402 may count as Earth Science or Physical Science.

<table>
<thead>
<tr>
<th>Science (with lab)</th>
<th>Two lower-level courses (may not duplicate general education courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3230/3231</td>
<td>Botany (with lab)</td>
</tr>
<tr>
<td>or BIOL 3300/3101</td>
<td>Microbiology (with lab)</td>
</tr>
<tr>
<td>or BIOL 3350/3151</td>
<td>Human Anatomy (with lab)</td>
</tr>
<tr>
<td>or BIOL 3372</td>
<td>Principles of Ecology</td>
</tr>
<tr>
<td>or BIOL 4340</td>
<td>Genetics</td>
</tr>
<tr>
<td>or BIOL 4342</td>
<td>Evolution</td>
</tr>
<tr>
<td>or CHEM 3411/3113</td>
<td>Organic Chemistry I (with lab)</td>
</tr>
<tr>
<td>or GEOL 3317</td>
<td>Environmental Geology</td>
</tr>
<tr>
<td>or GEOL 3318</td>
<td>Oceanography</td>
</tr>
<tr>
<td>or GEOL 3307/3107</td>
<td>Introduction to Paleontology</td>
</tr>
<tr>
<td>or ENSC 3404</td>
<td>Environmental Problems</td>
</tr>
</tbody>
</table>

Focus Area Courses (select one focus area)                          21-27 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. 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. Students must be admitted to the teacher certification program in order to enroll in Education course work beyond the core of PSYC 3341 and EDUC 3352, 3362, and 3370. After admission, students will pursue one of the following focus areas.

EC-Grade 4 Generalist (24 credits)
EDUC 3370, 4312, 4314, 4317, 4372, 4373, 4680, and 4099.

EC-Grade 4 Generalist (24 credits)
EDUC 3370, 4312, 4314, 4317, 4372, 4373, 4680, and 4099.

EC-Grade 4 Bilingual Generalist (27 credits)
EDUC 3370, 4312, 4314, 4317, 4363, 4372, 4373, 4681, and 4099.

EC-Grade 4 Generalist with ESL (27 credits)
EDUC 3370, 4312, 4314, 4317, 4336, 4372, 4373, 4680, and 4099.

Grades 4-8 Generalist (21 credits)
EDUC 3370, 4321, 4374, 4375, 4682, and 4099; upper-level GEOG or HIST course.

Grades 4-8 Bilingual Generalist (24 credits)
EDUC 3370, 4321, 4316, 4329, 4374, 4375, 4684, and 4099.

Grades 4-8 Generalist with ESL (27 credits)
EDUC 3370, 4316, 4321, 4329, 4336, 4374, 4375, 4682, and 4099.

General Studies (21 credits)
Upper-level elective courses totaling 21 semester hours.
DEGREE PLAN: BA IN MULTIDISCIPLINARY STUDIES
(with teacher certification in Early Childhood - Grade 4)

GENERAL EDUCATION (45 hours)

- English Composition, 6 sch (ENGL 1301 & 1302)
- Literature, 3 sch (ENGL 2322, 2323, 2327, or 2328)
- U.S. History, 6 sch (HIST 1301 & 1302)
- U.S. and State Gov’t, 6 sch (PLSC 2305 & 2306)
- Lab science with lab, 8 sch (2 sequenced courses)
- MATH 1314 or 1324; MATH 1350
- Speech Communication, 3 sch
- Visual and Performing Arts, 3 sch (1 course)
- Social Science, 3 sch (1 course)

1 These core courses are also counted as part of the major
and must, therefore, be completed with grades of C or
better.

MAJOR COURSE (62-64 hours, excluding Gen. Ed.)

Language Arts and Reading
- ENGL 3300
- ENGL 3371 or 3372
- ENGL 33xx (ENGL 3340 recommended)
- ENGL 33xx/43xx (Literature)
- ENGL 3322
- EDUC 4313
- EDUC 43151 or 4324

1Take 4315 for bilingual cert.; others take 4324.

Social Sciences/Social Studies
- GEOG 1301 or 1302
- KINE 1301 or 3310
- PSYC 3341 or equivalent
- PSYC 4341 or EDUC 3352
- CHLD 4311
- (one course) HIST 3341, 3342, 3343, 3345, or 3350
- (one course) ARTS 3300; EDUC 3362, ENGL 3306;
  HIST 3371, 4376; KINE 4340; PSYC 3311; SOCI 3345;
  SPAN 3378

Mathematics
- MATH 1314 or 1324
- MATH 1350
- MATH 2350
- PSYC 3301 or equivalent

Natural Sciences
- Lab Science1
- Lab Science1
- Lab Science
- Lab Science
- (one course) BIOL 3230/3231, 3300/3101, 3350/3151,
  3343, 3372, 4342; CHEM 3411/3113; GEOL 3314; 3317;
  3318; 3307/3107; ENSC 3404
- *(second course)

* The six science courses must include at least one course
in each of the following: Biology, Earth Science, and
Physical Science. ENSC 1401/1402 may count as either
Earth Science or Physical Science.

FOCUS AREA COURSES (Select one focus area;
24-27 hours)

EC-Grade 4 Generalist
- EDUC 3370
- EDUC 3432
- EDUC 4314
- EDUC 4317

EC-Grade 4 Bilingual Generalist
- EDUC 3370
- EDUC 4312
- EDUC 4314
- EDUC 4317
- EDUC 4336

EC-Grade 4 Generalist with ESL
- EDUC 3370
- EDUC 3432
- EDUC 4314
- EDUC 4317
- EDUC 4336

NOTES ON GRADUATING
1. It is the student’s responsibility to read the catalog and
be familiar with and fulfill all requirements for the
degree.
2. Complete at least 130 semester credit hours for the
degree. 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. At least 24 of the last 30 credits must be completed at
UTPB.
4. Earn 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 grade point average of at least 2.75 in the major
courses is required for admission to student
teaching.
DEGREE PLAN: BA IN MULTIDISCIPLINARY STUDIES
(with teacher certification in Grades 4-8)

GENERAL EDUCATION (44 hours)
- English Composition 1301 & 1302
- Eng. Lit. 2322, 2323, 2327, or 2328
- U.S. History 1301 & 1302
- U.S./State Gov't; PLSC 2305 & 2306
- *Lab science (2 sequenced courses)†
- MATH 1314+ or 1324†; MATH 1350†
- Speech Communication (1 course)
- Visual and Performing Arts (1 course)
- Social Science (1 course)

†These core courses are also counted as part of the major
and must, therefore, be completed with grades of "C" or
better.

MAJOR COURSES (60-62 hours, excluding Gen. Ed.)

Language Arts and Reading
- ENGL 3300
- ENGL 3371 or 3372
- ENGL 33xx (ENGL 3340 recommended)
- ENGL 33xx/43xx (Literature)
  - EDUC 3322
  - EDUC 4315† or 4326†
  - EDUC 4325

†Take 4315 for bilingual cert.; others take 4326.

Social Sciences /Social Studies
- GEOG 1301 or 1302
- PSYC 3341 or equivalent
- PSYC 4341 or EDUC 3352
- [One course] HIST 3380, 3341, 3342, 3343, or 3345
- [One course] ARTS 3300; EDUC 3362; ENGL 3306;
  HIST 3371; 4376; KINE 4340; PSYC 3311; SOCI 3345;
  SPAN 3378

Mathematics
- MATH 1314† or 1324†
- MATH 1350†
- MATH 2350
- PSYC 3301 or equivalent
- MATH 2412 or 2413

Natural Sciences
- *Lab Science†
- *Lab Science†
- *Lab Science
- *Lab Science
- *[One course] BIOL 3230/3231; 3300/3101; 3350/3151;
  3343; 3372; 4342; CHEM 3411/3113; GEOL 3314; 3317;
  3318; 3407; ENSC 3404
- *[Second course]

*The Science courses must include at least one course in
each of the following: Biology, Earth Science, and Physical
Science. ENSC 1401/1402 may count as either Earth
Science or Physical Science.

NOTES ON GRADUATING
1. It is the student's responsibility to read the catalog and
   be familiar with and fulfill all requirements for the
degree.
2. Complete at least 125 semester credit hours for the
degree. At least 54 hours must be at the junior/senior
level, and at least 30 hours must be completed at
UTPB.
3. At least 24 of the last 30 hours must be completed at
   UTPB.
4. Earn at least a C grade in all major courses and
   maintain a GPA of at least 2.50 in all courses applicable
toward the degree. A GPA of at least 2.75 in the major
   courses is required for admission to student teaching.

FOCUS AREA COURSES
(Select one focus area; 21-27 hours)

Grades 4-8 Generalist
- EDUC 3370
- EDUC 4321
- EDUC 4374
- EDUC 4375 (upper level)
- GEOG or HIST

Grades 4-8 Bilingual Generalist
- EDUC 3370
- EDUC 4321
- EDUC 4329
- EDUC 4364
- EDUC 4316
- EDUC 4099

Grades 4-8 Generalist with ESL
- EDUC 3370
- EDUC 4321
- EDUC 4375
- EDUC 4329
- EDUC 4364
- EDUC 4099
- EDUC 4316

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DEGREE PLAN: BA IN MULTIDISCIPLINARY STUDIES

(General Studies Plan)

GENERAL EDUCATION (44 hours)

___ English Composition 1301 & 1302
___ Eng. Lit. 2322, 2323, 2327, or 2328
___ U.S. History 1301 & 1302
___ U.S./State Gov’t, PLSC 2305 & 2306
___ *Lab science (2 sequenced courses)†
___ MATH 1314† or 1324†; MATH 1350†
___ Speech Communication (1 course)
___ Visual and Performing Arts (1 course)
___ Social Science (1 course)

†These core courses are also counted as part of the major and must, therefore, be completed with grades of “C” or better.

MAJOR COURSES (60-62 hours, excluding Gen. Ed.)

Language Arts and Reading
___ ENGL 3300
___ ENGL 3371 or 3372
___ ENGL 33xx (ENGL 3340 recommended)
___ ENGL 33xx/43xx (Literature)
___ COMM 2333 or 4308

Social Sciences/Social Studies
___ GEOG 1301 or 1302
___ KINE 1301 or 3310
___ PSYC 3341 or equivalent
___ PSYC 4341 or EDUC 3352
___ CHLD 4311
___ [One course] HIST 3350, 3341, 3342, 3343, or 3345
___ [One course] ARTS 3300; EDUC 3362; ENGL 3306;
___ HIST 3371; 4376; KINE 4340; PSYC 3311; SOCI 3345;
___ SPAN 3378

Mathematics
___ MATH 1314† or 1324†
___ MATH 1350†
___ MATH 2350
___ PSYC 3301 or equivalent
___ MATH 2412 or 2413

Natural Sciences
___ *Lab Science†
___ *Lab Science†
___ *Lab Science
___ *Lab Science
___ [One course] BIOL 3230/3231; 3300/3101; 3350/3151;
___ 3343; 3372; 4342; CHEM 3411/3113; GEOL 3314; 3317;
___ 3318; 3407; ENSC 3404
___ [Second course] 

*The Science courses must include at least one course in each of the following: Biology, Earth Science, and Physical Science. ENSC 1401/1402 may count as either Earth Science or Physical Science.

NOTES ON GRADUATING

1. It is the student’s responsibility to read the catalog and be familiar with and fulfill all requirements for the degree.
2. Complete at least 125 semester credit hours for the degree. At least 54 hours must be at the junior/senior level, and at least 30 hours must be completed at UTPB.
3. At least 24 of the last 30 hours must be completed at UTPB.
4. Earn at least a C grade in all major courses and maintain a GPA of at least 2.00 in all courses applicable toward the degree.

UPPER LEVEL ELECTIVES (21 hours)

___ Elective
___ Elective
___ Elective
___ Elective
___ Elective
___ Elective
___ Elective
___ Elective
___ Elective
___ Elective

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Dr. Keast attended Morningside College in Sioux City, Iowa to receive a B.M.E. He was Director of Bands in Wakefield, Nebraska where he taught 5-12 instrumental music He attended the University of Missouri-Columbia to pursue his M.Ed. in Curriculum and Instruction. During this time, he worked with several performing ensembles such as the 300 piece Marching Mizzou, the Symphonic Band, the Wind Ensemble, and the Missouri Tuba Ensemble. The participation or coaching of these ensembles included an appearance in George W. Bush's 2001 inaugural parade and a performance at the Sydney Opera House in Sydney, Australia. In the fall of 2004, Dr. Keast was recruited to restart the a music program at The University of Texas at the Permian Basin in Odessa, Texas as an Assistant Professor of Music.

Through the Bachelor of Arts in Humanities degree, the music program offers challenging instruction and performance opportunities to prepare students for careers or advanced study in a number of music specializations. Students in other major fields may also pursue a minor in music.

Specifically, the music program provides academic and performance training leading to all-level teacher certification and careers in music in both public and private elementary and secondary schools, music careers in private study teaching or church programs, or graduate study in music, in preparation for careers in music performance, composition, music theory, or musicology.

The program serves students from within a broad liberal arts curriculum. In this role, it provides:

- A core of basic courses and musical experiences to meet general education requirements in music for the university student population
- An awareness of the interrelationship between the arts and other academic disciplines
- Opportunities for individuals to develop an articulate aesthetic sense and to become discerning consumers and patrons of the arts
- Performance experiences for musicians of various skill levels, through ensembles open to membership without audition and ensembles designed to meet the needs of pre-professional musicians.

**Degree Requirements**

The total semester credit hours required for the Bachelor of Arts in Humanities degree is **120**.

**General Education Degree Requirements 44 credit hours**

Students must complete the requirements shown in the General Education Requirements section on pages 52-53 of this catalog.

**Computer Use**

All students in the Humanities-music emphasis program must demonstrate basic use of the computer through the completion of COSC 1335 or a similar computer science course that requires the actual use of computers.

**Music Requirements**

Lower-level courses:

- 4 credits of applied instruction
- 4 credits of a major ensemble
- 4 semesters of “pass” in MUSI 1000, Recital Attendance
Upper-level courses:

- 4 credits of applied instruction
- 6 credits of conducting and literature
- 6 credits of music history
- 3 credits of music foundations

Music Minor

Students in a degree program majoring in another department at UTPB may concurrently earn a minor in Music. Requirements for the Music minor are as follows:

A minimum of 18 hours of music courses must be completed with a minimum of six hours in each of the three categories listed below. Because of the prerequisites that some courses have, the course numbers suggested below usually constitute the minimum requirements.

Category I: Theoretical and Historical Foundations of Music

- MUSI 1311, Theory & Ear Training I
- MUSI 1312, Theory & Ear Training II
- MUSI 1306, Music Appreciation (or MUSI 3306)
- MUSI 2310, Jazz, Pop, & Rock (or MUSI 3310)
- MUSI 3308, Music History I
- MUSI 3308, Music History II

Category II: Music Repertory and Ensemble Conducting

- MUSI 3308, Ensemble Repertoire
- MUSI 3280, Conducting Fundamentals
- MUSI 4280, Ensemble Conducting

Category III: Philosophical Foundations and Performing Aspects of Music

- MUSI 1000, Recital Attendance (4 semesters with a grade of CR)
- MUSI 3302, Music Foundations
- MUSI 1181/2, Piano Class I and II
- MUEN 1121/2, 2121/2, 3121/2, 4121/2, Major Ensemble (3 semesters totaling 3 credits)
- MUAP 1187/8, 2187/8, 3187/8, 4187/8 (3 semesters totaling 3 credits)

TOTAL CREDIT HOURS: 18 (at least 9 at upper level)

EC-12 Music Teacher Certification Sequence

- ARTS 3389, Teaching Art in the Elementary School
- CHLD 3342, Development Creative Expression in Early Childhood
- EDUC 3352, The Exceptional Child
- EDUC 3362, Foundations of Bilingual/Multicultural Education
- EDUC 3370, Foundations of Education
- EDUC 4099, Music Student Teaching Seminar
- EDUC 4326, Reading/Literacy in the Content Area
- EDUC 4686, Internship-All Level
- MUSI 3204, Music Methods for Children
- MUSI 3206, Teaching Music in the Secondary Schools
- PSYC 3341, Child/Adolescent Psychology
- Wind & Percussion Emphasis (10 credit hours):
  - MUSI 1166, Woodwind Class I
  - MUSI 1168, Brass Class I
  - MUSI 1183, Voice Class I
  - MUSI 1188, Percussion Class I
  - MUSI 1189, String Class I
  - MUSI 1263, Jazz Studies/Improvisation
  - MUSI 2166, Woodwind Class II
  - MUSI 2168, Brass Class II
  - MUSI 2188, Percussion Class II
Choral Emphasis (10 credit hours):
- MUSI 1132, Accompanying & Chamber Music
- MUSI 1162, Diction I (Italian & German)
- MUSI 1165, Diction II (French & Spanish)
- MUSI 1183, Voice Class I
- MUSI 1184, Voice Class II
- MUSI 1193, Guitar Class II
- MUSI 1263, Jazz Studies/Improvisation
- MUAP 3187, Applied Piano
- MUAP 3188, Applied Piano

String Emphasis (10 credit hours)
- MUSI 1166, Woodwind Class I
- MUSI 1168, Brass Class I
- MUSI 1183, Voice Class I
- MUSI 1188, Percussion Class I
- MUSI 1189, String Class I
- MUSI 2189, String Class II
- MUAP 1187, Applied Violin/Viola/Cello/Bass (4 semesters of non-major instrument)

Course Listing

MUAP 1187 Applied Instruction I (1)
Studio instruction open to all students. Prerequisite: instructor’s permission. Final exam is a music jury during finals week.

MUAP 1188 Applied Instruction II (1)
Studio instruction open to all students. Prerequisite: instructor’s permission. Final exam is a music jury during finals week.

MUAP 2187 Applied Instruction III (1)
Studio instruction open to all students. Prerequisite: instructor’s permission. Final exam is a music jury during finals week.

MUAP 2188 Applied Instruction IV (1)
Studio instruction open to all students. Prerequisite: instructor’s permission. Final exam is a music jury during finals week.

MUAP 3187 Applied Instruction V (1)
Studio instruction open to all students. Prerequisite: instructor’s permission. Final exam is a music jury during finals week.

MUAP 3188 Applied Instruction VI (1)
Studio instruction open to all students. Prerequisite: instructor’s permission. Final exam is a music jury during finals week.

MUAP 4187 Applied Instruction VII (1)
Studio instruction open to all students. Prerequisite: instructor’s permission. Final exam is a music jury during finals week.

MUAP 4188 Applied Instruction VIII (1)
Studio instruction open to all students. Prerequisite: instructor’s permission. Final exam is a music jury during finals week.

MUEN 1121 Choral Ensemble (1)
Provides experience in choral performance and repertory. Open to all students through audition. May be repeated for credit.

MUEN 1122 Instrumental Ensemble (1)
Provides experience in instrumental performance and repertory. Open to all students through audition. May be repeated for credit.

MUEN 1123 Chamber Ensemble (1)
Provides experience in chamber performance and repertory. Open to all students through audition. May be repeated for credit.

MUSI 1000 Recital Attendance for Musicians (0)
Grade is Pass/Fail. Music minors need 4 semesters of pass credit while Humanities majors (music emphasis) need 7 semesters. No credit is given for the course. Stipulations as to the number of recitals required to meet the passing criteria will be set at the beginning of each semester based on the number of concerts available to students that semester.
MUSI 1141 Choral Ensemble (1)
Provides experiences in choral performance and repertory. Open to all students. May be repeated for credit.

MUSI 1306 Music Appreciation (3)*
A non-technical survey course designed for the intelligent appreciation of Western and non-Western music styles represented throughout history. Recordings, videos, and live performances help illustrate the influence of music within the various fine arts.

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.

MUSI 2310 Jazz, Pop & Rock (3)+
Historical introduction to jazz and the American popular song, including rock and roll. No prerequisites.

MUSI 3204 Music Methods for Children (2)
Course addresses the basic approaches to teaching music in the elementary classroom for the regular classroom teacher, and also includes methods of instruction for the elementary and secondary general music class. Music is addressed as both a content area and also a component of an integrated approach to arts in education. A survey of curriculum materials and the development of age-appropriate lessons is included.

MUSI 3206 Teaching Music in the Secondary Schools (2)
A comprehensive study of instructional and program materials, rehearsal techniques and program planning for secondary school choirs, bands, and orchestras. Topics include organization, scheduling, budgeting, purchasing, recruiting, motivation, and problems associated with evaluation. Methods of starting beginners and rehearsing ensembles are demonstrated with techniques addressing problems unique to public school instruction.

MUSI 3208 Ensemble Repertoire (2)
Investigation of literature for choirs, bands, orchestras, small ensembles, and special ensembles common in the public schools.

MUSI 3280 Conducting Fundamentals (2)
To develop the basic psychomotor and score reading skills prerequisite to the art of conducting.

MUSI 3302 Foundations of Music Education (3)
A study of the history, philosophy, and rationale of music education in America.

MUSI 3306 Music Appreciation II (3)
A non-technical survey course designed for the intelligent appreciation of Western and non-Western music styles represented throughout history. Recordings, videos, and live performances help illustrate the influence of music within the various fine arts. Meets concurrently with MUSI 1306 but includes additional coursework, research, and papers.

MUSI 3308 Music History I (3)
A historical survey of selected European practices up to 1700, following a consideration of the major fine-arts traditions of the world.

MUSI 3309 Music History II (3)
A historical survey of Western fine-art music from approximately 1700 to present. Prerequisite: MUSI 3308.

MUSI 3310 Jazz, Pop & Rock II (3)
Historical introduction to jazz and the American popular song, including rock and roll. No prerequisites. Meets concurrently with MUSI 2310 but requires additional coursework, research, and papers.

MUSI 3389 Multilist Course (1-3)
Undergraduate courses that will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog.

MUSI 4280 Ensemble Conducting Methods (2)
To develop the musical and interpersonal skills requisite for successful rehearsal leadership, emphasizing strategies effective for rehearsal of choral, band, string, and small ensembles.

MUSI 4389 Multilist Course (1-3)
Undergraduate courses that will be offered only once or will be offered infrequently or which are being developed before a regular listing in the 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>
</tr>
</thead>
<tbody>
<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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<tr>
<td>History 2300</td>
<td>HIST 1301</td>
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</tr>
<tr>
<td>History 2301/3310</td>
<td>HIST 1302</td>
<td>Yes</td>
</tr>
<tr>
<td>Political Science 1301</td>
<td>PLSC 2305</td>
<td>Yes</td>
</tr>
<tr>
<td>Political Science 2302</td>
<td>PLSC 2306</td>
<td>Yes</td>
</tr>
<tr>
<td>Chemistry I 1307, Lab 1103</td>
<td>CHEM 1311-1111</td>
<td>Yes</td>
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<tr>
<td>Biology 1402 or 1403/1404 Lab</td>
<td>BIOL 1306-1106</td>
<td>Yes</td>
</tr>
<tr>
<td>Physics I 1306, Lab 1103</td>
<td>PHYS 1401, Lab included</td>
<td>Yes</td>
</tr>
<tr>
<td>A &amp; P I Zool 2403</td>
<td>BIOL 3350-3151</td>
<td>Yes</td>
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<tr>
<td>A &amp; P II Zool 2404</td>
<td>BIOL 3352-3153</td>
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<tr>
<td>General Psychology 1300</td>
<td>PSYC 1301</td>
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<td>Sociology 1301</td>
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<tr>
<td><strong>Mathematics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trigonometry 1321 and Stats 2300 or</td>
<td>MATH 2412</td>
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<tr>
<td>Psych Stats 3403 or</td>
<td>MATH 3301</td>
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<td>Soc Stats 3391</td>
<td>PSYC 3301</td>
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<td></td>
<td>SOCI 3317</td>
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<tr>
<td>Speech Comm 2300</td>
<td>COMM 1315</td>
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</tr>
<tr>
<td>Basic Computing EDIT 2318 Or Computer Sci 1335</td>
<td>COSC 1335/1430</td>
<td></td>
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<tr>
<td><strong>Electives</strong></td>
<td></td>
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</tr>
<tr>
<td>Humanities 3 hours and 3 hours Anthropology or Philosophy or Sociology (not General) and Free Elective 3 hours</td>
<td>applied or appreciated</td>
<td>Yes</td>
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</tbody>
</table>

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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.

### Physical Therapy Equivalency Guide

<table>
<thead>
<tr>
<th>Texas Tech Course Requirement Number and Name</th>
<th>UTPB Equivalent Course</th>
<th>Not Offered at UTPB</th>
<th>Meets UTPB Degree Requirements for B.S. in Biology</th>
</tr>
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<tbody>
<tr>
<td>English 1301</td>
<td>ENGL 1301</td>
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</tr>
<tr>
<td>English 1302</td>
<td>ENGL 1302</td>
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<tr>
<td>History 2300</td>
<td>HIST 1301</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>History 2301/3310</td>
<td>HIST 1302</td>
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<td>Yes</td>
</tr>
<tr>
<td>Political Science 1301</td>
<td>PLSC 2305</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Political Science 2302</td>
<td>PLSC 2306</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Chemistry I 1307, Lab 1103</td>
<td>CHEM 1311-1111</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Chemistry 1308, Lab 1104</td>
<td>CHEM 1312-1112</td>
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<td>Yes</td>
</tr>
<tr>
<td>Biology 1403, Lab</td>
<td>BIOL 1306, LAB 1106</td>
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</tr>
<tr>
<td>Biology 1404, Lab</td>
<td>BIOL 1307, LAB 1107</td>
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<td>Yes</td>
</tr>
<tr>
<td>Physics 1306, Lab 1103</td>
<td>PHYS 1401, Lab included</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Physics 1307, Lab 1104</td>
<td>PHYS 1402, Lab included</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Upper Level Anat Zool 3405</td>
<td>BIOL 3350-3151 or 4350-4151</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Upper Level Physiol Zool 44</td>
<td>BIOL 3352-3153 or 4352-4153</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Psychology (Need 6 hours)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Gen) 1300</td>
<td>PSYC 1301</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>(Child) 2301</td>
<td>PSYC 3341</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Develop) 4301</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trigonometry 1321 and Stats 2300 or</td>
<td>MATH 2412</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psych Stats 3403</td>
<td>MATH 3301</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology 1301</td>
<td>SOCI 1301</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>English 2309 Tech Writ., Speech Com. 2300, 3308</td>
<td>COMM 1315/1316</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Additional Electives:</td>
<td>Suggested area in Arts &amp; Humanities. Upon application total hours with prerequisites must total 90.</td>
<td></td>
<td></td>
</tr>
</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>
<td></td>
<td></td>
</tr>
<tr>
<td>English 1301</td>
<td>ENGL 1301</td>
<td>Yes</td>
</tr>
<tr>
<td>English 1302</td>
<td>ENGL 1302</td>
<td>Yes</td>
</tr>
<tr>
<td>History 2300</td>
<td>HIST 1301</td>
<td>Yes</td>
</tr>
<tr>
<td>History 2301/3310</td>
<td>HIST 1302</td>
<td>Yes</td>
</tr>
<tr>
<td>Political Science 1301</td>
<td>PLSC 2305</td>
<td>Yes</td>
</tr>
<tr>
<td>Political Science 2302</td>
<td>PLSC 2306</td>
<td>Yes</td>
</tr>
<tr>
<td>College Algebra or Higher</td>
<td>MATH 1332 or 2414</td>
<td>Yes (2414) elective</td>
</tr>
<tr>
<td>Statistics</td>
<td>MATH 3301</td>
<td></td>
</tr>
<tr>
<td>Chemistry I 1307, Lab 1103</td>
<td>CHEM 1311-1111</td>
<td>Yes</td>
</tr>
<tr>
<td>Chemistry 1308, Lab 1104</td>
<td>CHEM 1312-1112</td>
<td>Yes</td>
</tr>
<tr>
<td>Biology 1403, Lab</td>
<td>BIOL 1306-1106</td>
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</tr>
<tr>
<td>Biology 1404, Lab</td>
<td>BIOL 1307-1107</td>
<td>Yes</td>
</tr>
<tr>
<td>Micro Biology</td>
<td>BIOL 3300/3101</td>
<td>Yes</td>
</tr>
<tr>
<td>Up. Lev. Anat Zool 3405</td>
<td>BIOL 3350-3151 or</td>
<td>Yes</td>
</tr>
<tr>
<td>Lab Included</td>
<td>BIOL 4350/4151</td>
<td></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></td>
</tr>
<tr>
<td>Psychology (Need 6 hours)</td>
<td>PSYC 1301</td>
<td>Yes</td>
</tr>
<tr>
<td>General 1300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trigonometry 1321 and Stats</td>
<td>MATH 2412</td>
<td></td>
</tr>
<tr>
<td>Stats 2300 or</td>
<td>MATH 3301</td>
<td></td>
</tr>
<tr>
<td>Psych Stats 3403</td>
<td>PSYC 3301</td>
<td></td>
</tr>
<tr>
<td>Social Science Ele.</td>
<td>SOCI 1301</td>
<td>Yes</td>
</tr>
<tr>
<td>Communications</td>
<td>COMM 1315</td>
<td>Yes</td>
</tr>
</tbody>
</table>
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 52-53.

Computer Use

All majors must demonstrate a basic use of computing through either a computer literacy test or the completion of COSC 1335 or a computer science course which requires the actual use of a computer.

Political Science Major Requirements 30 Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLSC 2305</td>
<td>American National Politics</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 2306</td>
<td>State and Local Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

24 hours of upper-level political science courses

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.

Political Science Minor Requirements: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLSC 2305</td>
<td>American National Politics</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 2306</td>
<td>State and Local Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

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 TExES 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.
Course Listing

PLSC 2305 American National Politics (3)
An examination of American national political institutions and processes. Satisfies state requirement in U.S. government. FS

PLSC 2306 State and Local Politics (3)
An examination of state and local political institutions and processes. Satisfies state requirement in Texas government. FS

PLSC 3321 Comparative Politics (3)
A comparative examination of the political systems of selected economically developed nations.

PLSC 3327 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 3330 Judicial Politics (3)
An examination of the U.S. judicial system, focusing on the role of law and courts in society, judicial system structures and processes, and judicial policymaking.

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 3370 Latino Politics in the U.S.
An examination of the role of Latinos in the U.S. political system.

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 Relations (3)
An introduction to the processes, theories, and institutions within international relations.

PLSC 4335 Constitutional Law (3)
An examination of American constitutional development focusing on U. S. Supreme Court decisions in the areas of governmental powers, federalism, and economic regulation.

PLSC 4336 Civil Liberties (3)
An examination of American constitutional development, focusing on U.S. Supreme Court decisions regarding freedom of speech and press, church and state, the right to privacy, criminal defendant rights, and class-based discrimination.

PLSC 4341 Environmental Policy (3)
An examination of contemporary issues in environmental policy.

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 Congress and the Presidency (3)
An examination of Congress and the presidency in the U.S. political system. Topics include elections, public politics, institutional structures and processes, and congressional and presidential policymaking roles.

PLSC 4360 Latin American Politics (3)
An examination of concepts, events, and issues in the politics of contemporary Latin American countries.

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 2305 & 2306
- Lab Sciences, 8sch, (2 courses)
- Mathematics (college algebra or above)
- Mathematics (computing, logic, math, stats)
- Communication, 3sch, (1 course)
- Visual and Performing Arts, 3sch (1 course)
- Social Science, 3sch (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 in Political Science requires 18 sch including 12 sch in upper-level PLSC courses.

POLITICAL SCIENCE MAJOR: 30 SCH
A major in Political Science requires 30 sch in Political Science, including 24 sch in upper-level PLSC courses.

REQUIRED COURSES:
- PLSC 2305 American National Politics
- PLSC 2306 State and Local Politics

Upper-level courses:
- PLSC 3321 Comparative Politics
- PLSC 3327 American Foreign Policy
- PLSC 3330 Judicial Politics
- PLSC 3333 Political Science Research and Methods
- PLSC 3370 Latino Politics in the U.S.
- PLSC 4321 Politics of Advanced Industrial Democracies
- PLSC 4327 International Relations
- PLSC 4335 Constitutional Law
- PLSC 4356 Civil Liberties
- PLSC 4341 Environmental Policy
- PLSC 4345 Public Policy
- PLSC 4347 Public Administration
- PLSC 4351 Political Theory
- PLSC 4354 Congress and the Presidency
- PLSC 4360 Latin American Politics
- PLSC 4389 Selected Topics
- PLSC 4391 Contract Study

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 Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<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 2305, 2306</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 2325/2125, 2326/2126</td>
<td>University Physics I, II</td>
<td>8</td>
</tr>
</tbody>
</table>

Engineering Preparation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>
<td>4</td>
</tr>
<tr>
<td>CHEM 1311/1111, 1312/1112</td>
<td>General Chemistry I, II</td>
<td>8</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.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>Engineering Mechanics - Statics</td>
<td>3</td>
</tr>
<tr>
<td>Engineering Mechanics - Dynamics</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>Thermodynamics</td>
<td>3</td>
</tr>
</tbody>
</table>

Bachelor of Science in Electrical Engineering

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurements Lab</td>
<td>1</td>
</tr>
<tr>
<td>Digital Systems</td>
<td>3</td>
</tr>
<tr>
<td>Networks I</td>
<td>3</td>
</tr>
<tr>
<td>Basic EE Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

Bachelor of Science in Industrial Engineering

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ergonomics</td>
<td>3</td>
</tr>
<tr>
<td>Manufacturing Processes</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3301 Statistics (Available at U. T. Permian Basin)</td>
<td>3</td>
</tr>
</tbody>
</table>
Bachelor of Science in Mechanical Engineering

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Materials Selection</td>
<td>3</td>
</tr>
<tr>
<td>Manufacturing Processes</td>
<td>3</td>
</tr>
<tr>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
</tbody>
</table>

Bachelor of Science in Metallurgical Engineering

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>Materials Selection</td>
<td>3</td>
</tr>
<tr>
<td>Transport Processes</td>
<td>3</td>
</tr>
<tr>
<td>Thermodynamics</td>
<td>3</td>
</tr>
</tbody>
</table>

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.
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>
</tr>
<tr>
<td>General or Inorganic Chemistry I and II, with lab (8 hours)</td>
<td>CHEM 1311-1111, CHEM 1312-1112</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>
</tbody>
</table>

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Psychology

Linda M. Montgomery, PhD
Graduate Program head of 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 of the Journal of the Texas Association for Marriage and Family Therapy and serves as the 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 Martial and Family Therapy.

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 52-53 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 3404.

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 Introduction to 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
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. PSYC 4304, 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 3403 and PSYC 4304, PSYC 3311, PSYC 3321, PSYC 3341, PSYC 4351, and PSYC 3322 from the six pairs above. Students should consult with their faculty advisor for specific planning of additional elective courses in psychology.

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). F,S,Summer
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,Summer

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,Summer

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. F

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)
Neurophysiology 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)
Pharmacologic basis of psychotropic drugs and their associated abuses. Theories of cause and treatment of abusers are reviewed. Prerequisite: PSYC 1301. F, S, Summer

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. Summer

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)
This course presents 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.

PSYC 4345 Language Development In the Young Child (3)
This course studies the nature of language and the acquisition of language by the young child. Topics included are: (1) language structure, (2) sequence and process of the acquisition of language, (3) cognitive aspects of language acquisition and implementation, (4) social aspects of language in childhood, and (5) language variation. Prerequisite: permission of instructor. F, S

PSYC 4351 Tests and Measurements (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 Gender Studies (3)
Survey of critical issues in social relations, mental health, and legal matters involving gender. Includes analysis of innate and environmental determinants of gender 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. F/S

PSYC 4393 Independent Research In Psychology (3)
For psychology majors only. A capstone course to demonstrate application of research and APA writing skills. Students perform individually designed research under supervision of a Psychology faculty member. If not finished in one semester, the student may re-enroll one more semester with the permission of the supervising faculty. Course is not offered in the summer; students must complete course requirements in either the Fall or Spring semesters. Prerequisites: Senior standing, PSYC 3301, and PSYC 3404. F/S

† Course fulfills general education requirements.
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) 2305, 2306
- 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 should 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 prerequisite)
   - 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 prerequisite)
   - 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 prerequisite)

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 the Young Child
   - 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
must 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, 4304,
3311, 3321, 3341, 3322, and 4351 from the pairs above.

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Social Work

Mission Statement

The primary mission of the Social work program is to train generalist social work professionals capable of providing culturally competent services within diverse, multicultural communities. Through all its activities, the program seeks to foster the fulfillment of human potential, promote social and economic justice, and contribute to the development of a social culture that respects the dignity and worth of all members of society.

The Bachelor of Social Work (BSW) program is designed to provide training to prepare graduates for entry level generalist social work practice or for admission to a graduate program in social work. Such training includes helping students develop and strengthen their sense of social responsibility, appreciation for diversity, understanding of the realities of discrimination and oppression, and knowledge of core social work values, ethics, and skills. Specifically, the BSW program seeks to achieve the following goals:

- Prepare students for agency based generalist social work practice with individuals, families, and communities
- Develop/strengthen the ability to apply critical thinking skills in a professional context
- Understand the effects of diverse backgrounds and membership in a population-at-risk on individuals, families, and communities, and the mechanisms of oppression and discrimination
- Understand that the professional roles and responsibilities of social workers include efforts to promote social and economic justice and alleviate unjust social, political, and economic conditions
- Demonstrate the ability to carry out professional practice congruent with the NASW Code of Ethics, including the ability to practice without discrimination based on group membership

The Bachelor in Social Work program assists graduates to work in a variety of public and private service settings, including hospitals, long-term care facilities, mental health clinics, family service agencies, Texas regulatory agencies, schools, police and sheriff’s departments, and a wide variety of other state, community, non-profit and for-profit agencies.

General Education

Social Work students are required to complete the University General Education Requirements. 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
   A second Life/Physical Science Lab Course

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 program 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 students must demonstrate a basic use of computing through the completion of PSYC 3301 or SOCI 3317.

Admission to the BSW Program

Admission to the BSW program shall consist of two stages: (1) the Pre-Social Work major; and (2) the Social Work major.
The Pre-Social Work Major. Any student may declare a Pre-Social Work major. Students will remain in the Pre-Social Work until they meet the requirements for application 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:

1. Attain a minimum 2.5 overall GPA and a minimum 2.5 GPA in Social Work (SOWK) and supportive Behavioral and Social Science courses.
2. Have completed SOWK 1310, SOWK 2320, and SOWK 3341 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 lab two-course sequence requirement (8 credit hours) with grades 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 the general education, 44 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 the practice or field education Social Work courses.

The Social Work Major. Admission into the Social Work major requires that the student:

1. Complete the course and grade requirements specified as a Pre-Social Work major. Experience may not be substituted for course requirements; no academic credit will be granted for life or work experience.

2. Submit a formal application for admission.

Admissions Criteria: The BSW program wishes to admit applicants who demonstrate both academic competency and the personal attributes that will provide a solid foundation for professional development. Such attributes include maturity, good judgment, a willingness to consider new ideas, the ability to develop reflectivity and self-awareness, an acceptance of differences in people, and values consistent with the social work profession. Applications will be reviewed by the Program Director and Director of Field Education. Three possible decisions are: (1) regular admission; (2) provisional 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. Generally, only social work courses taken from a CSWE accredited BSW program will be accepted as equivalent for professional social work courses; exceptions will be made only when a course from an unaccredited program can be definitively shown to be equivalent to the course offered by UTPB, as determined by the Program Director. All transfer credit awarded must be based on formal course work; no academic credit can be granted for life experience or work experience in a social service position.

Major Requirements

The proposed BSW degree requires a minimum of 122 semester credit hours as specified below, with a minimum of 54 credit hours taken at the junior and senior levels (3000/4000 numbered 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, 6 Credits
   - PSYC 3311, Social Psychology
   - SOCI 3345, Race, Gender, Ethnicity and Social Change
   or SOCI 4320, Social Stratification
2. Social Work Core Courses, 48 Credits
   - SOWK 2361, Introduction to Social Work
   - SOWK 2320, Social Welfare Policies and Issues
   - PSYC 3301/SOCI 3317, Introduction to Statistics
   - SOWK 3320, Social Policy Analysis
   - SOWK 3324, Ethics & Values of Social Work
   - SOWK 3330, Introduction to Social Work Research
   - SOWK 3341, Human Behavior in the Social Environment: Child & Adolescent Psychology
   - SOWK 3343, Human Behavior in the Social Environment II: Adult Development & Aging
   - SOWK 3370, Human Behavior in the Social Environment III: Organizational & Community Assessment
   - 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

3. Prescribed Electives, 24 credits (at least 6 credits should be from outside of SOWK)
   - CRIM 3365, Juvenile Delinquency and Justice
   - ECON 2301, Principles of Macroeconomics
   - KINE 1301, Concepts in Fitness and Health
   - KINE 3310, Motor Development
   - HIST 3371, American Minorities
   - PLSC 4312, Politics in the American States
   - PLSC 4321, Politics of Advanced Industrial Democracies
   - PLSC 4345, Public Policy
   - PSYC 3321, Abnormal Psychology
   - PSYC 3322, Theories of Personality
   - PSYC 3386, Human Sexuality
   - PSYC 3403, Principles of Learning
   - PSYC 4307, Health Psychology
   - SOCI 3350, Social Deviance
   - SOCI 4315, Sociology of Organizations
   - SOCI 4320, Social Stratification or SOCI 3345, Race, Gender, Ethnicity & Social Change
     (whichever was not taken as part of Behavioral Science Core)
   - SOCI 4325, Globalization
   - 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
   - Other (as approved by Program Director)

Field Placement

The program requires 12 credit hours (480 clock hours) of field practice experience. This will be satisfied by two SOWK Field Practicum placements 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 monitor the student’s progress within the field placement. Students who have completed the general education core courses and social work core courses should apply for acceptance into the field placement in the long semester prior to the semester they anticipate entering field. Exceptions to the social work core prerequisites are SOWK 4370, Generalist Social Work Practice III, SOWK 4480/4280 and SOWK 4481/4281 (the two field practicum courses and seminars). Application for internship is made with the Director of Field Education.

Minor in Social Work

Students who minor in Social Work learn a great deal about our society, its problems, its values, and its responses to needs. Students are better informed as citizens, and they are prepared to work intelligently to make our society better. The Social Work minor seeks to enhance students’ understanding of social policy and give students a basic understanding of social work practice. The Social Work minor, however, does not prepare students to be professional social workers or to seek state licensure as social workers.
Minor Requirements

The Social Work minor requires completion of 18 semester credit hours in SOWK courses. The minor requires the following four courses (12 sch):

- SOWK 1310, Introduction to Social Work
- SOWK 2320, Social Welfare Policies and Issues I
- SOWK 3320, Social Policy Analysis
- SOWK 3324, Ethics and Values in Social Work

The student may choose the remaining 6 sch from the social work course listings, with the exception of the generalist practice and field placement courses, which may be taken only by Social Work majors.

Course Listing

SOWK 2320 Social Welfare Policies and Issues (3)
Examination of the development of policies, the social and political influences on their implementation, and the effects and impact of policy on social work practice in a variety of key areas and practice settings. Prerequisite: SOWK 2361. F

SOWK 2361 Introduction to Social Work (3)
Introduction to the profession of social work and social work roles in the social welfare system, with emphasis on the mission, philosophy, and values of the profession. This course also introduces students to the social welfare institutions in the United States and their historical foundations. F, S

SOWK 3320 Social Policy Analysis (3)
An analysis of current social welfare policies on the local, state, and federal levels, and various elements of welfare programs and entitlements. The course will cover a range of critiques of social welfare policy and reform proposals. A framework for policy analysis/evaluation and strategies for influencing policy development and change will be studied. Prerequisites: SOWK 2320, PLSC 2305 and PLSC 2306. Recommended: SOWK 3330. S

SOWK 3324 Ethics & Values in Social Work (3)
This course will provide an intensive introduction to the values upon which social work practice is based, and the ethical guidelines which operationalize those values and to which social workers are held accountable. The NASW Code of Ethics will be covered in detail and provide the background for critical thinking and ethical reasoning regarding the inevitable value conflicts and ethical dilemmas social workers face. Prerequisite: SOWK 2361.

SOWK 3330 Introduction to Social Work Research (3)
This course is designed to provide students with the fundamental skills to evaluate research studies critically, apply research findings to practice, and understand social work research as an integral part of informed practice. The course addresses how to conduct research to evaluate practice, quantitative and qualitative methods, and research ethics, with particular attention to the role of research with populations-at-risk, social and economic justice, and cultural diversity. Critical thinking and writing skills will be emphasized. Prerequisite: PSYC 3301 or SOCI 3317.

SOWK 3341 Human Behavior in the Social Environment I: Child and Adolescent Psychology (3)
Study of the maturational stages of the individual life cycle in the social context. Developmental aspects of physical, mental, social, and emotional growth from prenatal through adolescent periods. Prerequisite: PSYC 1301. [Cross-listed with PSYC 3341, Child and Adolescent Psychology] F, S

SOWK 3343 Human Behavior in the Social Environment II: 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. S [Cross-listed with PSYC 3343, Adult Development and Aging] S

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 first of three generalist practice courses introduces the student to social work processes, concepts, and theories relevant to generalist social work practice with individuals and families. The course will emphasize general practice skills and the professional relationship. Specific attention is paid to the roles of generalist social work. For Social Work majors only. Prerequisite: SOWK 3320, SOWK 3341.
SOWK 3356 Generalist Social Work Practice II (3)
The second practice course introduces students to theories of group development and group dynamics, and emphasizes the development of effective group work skills. The focus is on the knowledge and skills needed to work effectively with task, support, and self-help groups. For Social Work majors only. Prerequisites: SOWK 3320, SOWK 3341 and SOWK 3355.

SOWK 3370 Human Behavior and Social Environment III: Organizational & Community Assessment (3)
This is the third of a three-course sequence that addresses the interaction between the social environment and human behavior. This course focuses on the evaluation of organizations and communities, and the reciprocal influence between them and individuals. Prerequisite: SOWK 2361, PSYC 3311.

SOWK 3389 Selected Topics (3)
Undergraduate course which will be offered only once, will be offered infrequently, or which are being developed before a regular listing in the catalog.

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 focused on the integration of classroom theory and knowledge with actual social work practice, based on the student’s filed placement experiences. Prerequisites: Completion of the social work core curriculum, except for SOWK 4370, which may be taken concurrently. Co-requisite: SOWK 4480.

SOWK 4281 Field Practicum II Seminar (2)
Continuation of SOWK 4280 through the second semester of field placement. Integration of theory and practice on the basis of field practicum experiences. Prerequisites: SOWK 4480 and SOWK 42810. 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. [Cross-listed with PSYC 4305, Drugs and Behavior]

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. S

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. F

SOWK 4370 Generalist Social Work Practice III (3)
The third practice courses is designed to acquaint students with the theory and knowledge necessary for generalist social work practice with organizations and communities, with a focus on developing skills for effecting macro-level change. For Social Work majors only. Prerequisites: SOWK 3320, 3324, 3330, 3356, and 3370, or permission of the instructor.

SOCI 4389 Selected Topics (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. May be acceptable for graduate credit.

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. 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. For Social Work majors only. Prerequisites: Formal admission to field placement, completion of the social work core curriculum, except for SOWK 4370, which may be taken concurrently. 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. 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. SOWK 4480/4280. Co-requisite: SOWK 4281. Course fee required.
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, 2305 & 2306
- Visual/Performing Arts (3 sch)
- BIOL 1306/1106 and second Life/Physical Science (8 sch)
- PSYC 1301 or SOCI 1301
- Speech 1315, 1318, or 1321 (3 sch)
- Mathematics 1332 or 2412 (3 sch)
- PSYC 3301 or SOCI 3317 (3 sch) (meets statistics requirement for SOWK)

GENERAL EDUCATION CORE EXTENSION (3 sch)

- PSYC 1301 or SOCI 1301 (not taken above)

TRANSFER CREDITS (if any):

Freshman/sophomore total credits (68 total transferable to Social Work program) ..............................................
Junior/senior total credits transferred ................................
Total credits transferred (95 maximum) ................................

NOTES ON GRADUATING:

1. Read the UTPB catalog and be familiar with the University's requirements for the BSW degree. It is the student's responsibility to be familiar with and fulfill all requirements.
2. At least 54 sch must be taken at the junior/senior level.
3. At least 30 sch must be completed at UTPB.

MAJOR REQUIREMENTS:

The BSW degree requires a minimum of 122 sch as specified below, with a minimum of 54 upper level sch (3000/4000), and DOES NOT REQUIRE A MINOR. The program consists of two stages: (1) the Pre-Social Work major and (2) the Social Work major

STAGE 1: PRE-SOCIAL WORK STAGE:

1. Attain a minimum 2.5 overall GPA and a minimum 2.5 GPA in Social Work (SOWK) and supportive Psychology and Sociology courses.
2. Attain a C or higher in SOWK 1310, SOWK 2320, and SOWK 3341.
3. Attain a C or higher in PSYC 1301 and SOCI 1301.
4. Attain a C or higher in both lab science courses.
5. Attain a C or higher in ENGL 1301 and 1302.
6. Attain a C or higher in MATH 1332 or 2412.
7. Have 9 or fewer sch of general education 44 sch core to complete.
8. Have completed at least 45 sch.

STAGE 2: THE SOCIAL WORK MAJOR:

Admission to the Social Work major requires:
1. Completion of the course and grade requirements specified at the Pre-Social Work Stage.
2. Submission of the formal application for admission.

A. Behavioral Science Foundation (6 sch)

- PSYC 3311, Social Psychology
- SOCI 3345, Race, Gender, Ethnicity & Social Change or SOCI 4320, Social Stratification

B. Social Work (48 sch)

- SOWK 2361, Introduction to Social Work
- SOWK 2320, Social Welfare Policies and Issues
- SOWK 3320, Social Policy Analysis
- SOWK 3324, Ethics and Values of Social Work
- PSYC 3301/SOCI 3317, Introductory Statistics*
- SOWK 3330, Introduction to Social Work Research
- SOWK 3341, HBSE I, Child & Adolescent Psychology
- SOWK 3343, HBSE II, Adult Development & Aging
- SOWK 3370, HBSE III, Organization/Community Assessment
- 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 4280, Field Practicum II Seminar
- SOWK 4481, Field Practicum II

C. Prescribed Electives (24 sch)

At least 6 sch must be from courses outside of SOWK and other Behavioral Sciences.

- CRIM 3365, Juvenile Delinquency and Justice
- ECON 2301, Principles of Macroeconomics
- HIST 3371, American Minorities
- KINE 1301, Concepts in Fitness and Health
- KINE 3310, Motor Development
- PLSC 4312, Politics in the American States
- PLSC 4321, Politics Adv. Industrial Democracies
- PLSC 4345, Public Policy
- PSYC 3321, Abnormal Psychology
- PSYC 3322, Theories of Personality
- PSYC 3386, Human Sexuality
- PSYC 3403, Principles of Learning
- PSYC 4307, Health Psychology
- SOCI 3350, Social Deviance
- SOCI 4315, Sociology of Organization
- SOCI 4320, Social Stratification or SOCI 3345, Race, Gender, Ethnicity & Social Change (whichever was not taken as part of Behavioral Science Core)
- SOCI 4325, Globalization
- SOWK 3347, Rural Sociology
- SOWK 3390, The Family
- SOWK 4305, Drugs and Behavior
- SOWK 4321, SW Intervention: Marr. & Family
- SOWK 4322, SW Intervention: Individual
- Other (as approved by Program Director):
Sociology

Joanna Hadjicostandi, Ph D
Associate Professor of 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 Basin 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 numerous career fields: including 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, demographic analysis, 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 52-53. 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 COSC 1335, or passing the equivalent competency test, before taking the required course sequence SOCI 3317, SOCI 4303 and SOCI 4399. Knowledge of the use of Word and Excel must also be demonstrated at that time.

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:
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. 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.

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; and 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 2350 Social Problems (3)
An examination of major contemporary social problems and their causes and consequences. Topics may include poverty, racism, sexism, deviance and crime, drug and alcohol dependence, the urban crisis, overpopulation, unemployment, energy, domestic violence and abuse, and war. Prerequisite: SOCI 1301. Summer

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. F, S

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 and computer requirements. 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 3348 Population Dynamics (3)
Trends in mortality, fertility, and migration for selected countries, and their projected consequences. Associated policies and options are considered. Prerequisite: SOCI 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 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. F, S

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 3640 Diversity Studies Abroad (6)
This course focuses on exposing students to world cultures through a sociological lens. Social issues will be examined within diverse cultures and will involve hands on analyses and experiences. Travel to a foreign country will be part of the course requirements. Summer

SOCI 4403 Social Research Methods (4)
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. This course includes a one-semester credit hour lab that focuses on the steps undertaken in the completion of a research paper. 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, S

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 4324 Political Sociology (3)
Relationship between political and social structures with emphasis on the concepts of power, ideology, elites, class, and politics. Prerequisite: SOCI 1301. S

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, Martinique, Parsons, Cramsci, or Lukacs 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. Prerequisite: SOCI 1301. 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. Prerequisite: SOCI 1301. S

SOCI 4363 Death and Dying (3)
Systematic study of the last stage of the life cycle. How people cope with various forms of death, the bereavement process, and growing old alone. The social organization of dying and the treatment of death in the hospital setting. The demographics of death. Prerequisite: SOCI 1301. 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, slumtowns, and informal economies internationally. Prerequisite: SOCI 1301. F

SOCI 4381 Rural Sociology (3)
Focus on rural society, rural communities, population composition and trends, social processes, social participation in rural organizations and agencies; American agriculture in a global context; and changing relationship between country and city in contemporary society. Prerequisite: SOCI 1301. S

SOCI 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. 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
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) 2305 & 2306
- Physical or Life Science (8 hours) any science
  - Literature (3 hours) at 2xxx 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.

1.

2.

3.

4.

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6.

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 4403 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 2350 Social Problems
- 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 3348 Population Dynamics
- 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 4321 Social Work Intervention: Marriage and Family
- SOCI 4322 Social Work Intervention: The Individual
- SOCI 4324 Political Sociology
- SOCI 4325 Globalization
- SOCI 4333 Law and Society
- SOCI 4360 Social Gerontology
- SOCI 4362 Sociology of Health and Illness
- SOCI 4363 Death and Dying
- SOCI 4370 Family Dysfunction and Substance Abuse
- SOCI 4380 Urban Sociology
- SOCI 4381 Rural Sociology
- SOCI 4389 Selected Topics
- SOCI 4391 Contract Study
- SOCI 4392 Practicum
- SOCI 4393 Internship in Applied Sociology
- SOCI 4394 Independent Research in Sociology
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Spanish

Dr. Rhina Toruño
Professor of Spanish and Area Coordinator of the Spanish

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 Elana Garro, leading twentieth-century Mexican author, Dr. Toruño has also published 43 referenced articles in scholarly journals in Latin America literature and French contemporary philosophy, including internet articles and proceedings from scholarly conferences. She has made over 68 professional presentations, including four keynote/plenary conference speeches and has been invited to present lectures and seminars at both international and national conferences. Dr. Toruño has lectured in Europe, United States, and Latin America in French, English and Spanish. She teaches both undergraduate course 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 has voted “Woman of the Year 2000” by the American Biographical Institute Board of International Research.

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 52-53 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.

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, 4312, or 4351)
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 (SPAN 3311, 4301, 4302, 4311, 4312, 4351, 4352, 4360, 4361, 4378, or 4389).
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.

Degree plans vary depending upon a student's goals and preparation prior to enrolling at UT 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 4301, 4302, 4311, 4312, 4351, 4352, 4360, 4361, 4378.

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 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. F

SPAN 1412 A Beginning Course in Spanish II (4)
A continuation of SPAN 1411. Prerequisite: SPAN 1411 or one year of high school Spanish. S

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. F

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. S

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. F

SPAN 3302 Advanced Composition and Conversation (3)
Designed to improve written and oral Spanish. Prerequisite: SPAN 3301. S, Summer '05
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. S

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. F

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. S06, F06.

SPAN 4301 Spanish Literature I (3)
Peninsular Spanish literature from the Medieval period to the 18th century. Prerequisite: SPAN 3301 or instructor’s approval. F

SPAN 4302 Spanish Literature II (3)
Peninsular Spanish literature from the 19th century to the present. Prerequisite: SPAN 3301 or instructor’s approval. S

SPAN 4311 Spanish-American Literature I (3)
Spanish-American literature from the Pre-Hispanic period through Romanticism. Prerequisite: SPAN 3301 or instructor’s approval. F

SPAN 4312 Spanish-American Literature II (3)
Spanish-American literature from Modernism to the present. Prerequisite: SPAN 3301 or instructor’s approval. S

SPAN 4331 Spanish Phonetics and Phonemics (3)
Spanish phonology with emphasis on oral drills; an introduction to elementary applied linguistics. Prerequisite: SPAN 3301.

SPAN 4351 Mexican Literature (3)
A study of selected works by Twentieth Century Mexican authors. Selections may include works by Elena Garro (winner of many national and international awards), Rosario Castellanos, Elena Poniatowska, Octavio Paz (winner of the Nobel Prize in Literature), and other Mexican authors. Prerequisite: SPAN 3301, or instructor’s approval. F05, F06, F07.

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.

SPAN 4360 Spanish Golden Age Literature (3)
This course introduces the student to some of the major works of Spanish literature from the Renaissance through the Baroque. Readings will include lyric and epic poems, plays, a picaresque novel, and several additional prose selections. Prerequisite: SPAN 4301, or 4302, or instructor’s approval.

SPAN 4361 Cervantes’ Don Quixote (3)
A close reading of Europe’s first modern novel, with additional reference to historical and literary background that helped shape the writer’s poetics. A masterpiece of world literature, a profound commentary on life, and a perennial source of inspiration for the understanding of the modern imagination. Prerequisite: SPAN 4301 or approval of instructor.

SPAN 4378 Hispanic Children’s Literature (3)
Study of Hispanic’s children’s literature. The course covers children’s stories and their origins in myths, fables, and folktale from the oral tradition of Spain and Latin America. Prerequisite: proficiency in Spanish or instructor’s approval.

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.
DEGREE PLAN: BA IN SPANISH

General Education Requirements: Please refer to pages 52-53 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 2305 & 2306)
- 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 (2 1sch):
- 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 4360, or SPAN 4361
- SPAN 4311 Span-Am Lit I OR
- SPAN 4312 Span-Am Lit II, or SPAN 4351 Mex. Lit

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 4361 Cervantes’ Don Quijote (3)
- SPAN 4378 Hispanic Children’s Literature (3)
- SPAN 4389 Selected Topics (3)

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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 1101 Freshman Seminar (1)
This course is designed to smooth the advance of students into the university environment. It is focused on key competencies for personal and academic success. The course is required for all freshman students who have entered with 24 or fewer college credits. No prerequisite. F, S

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 1301 College Physics I (3) *
Basic concepts of Newtonian mechanics, fluid mechanics, and thermodynamics using algebra and trigonometry. MATH 2412. Corequisite: PHYS 1101. F

PHYS 1101 College Physics I Laboratory (1)*
Experiments in Newtonian mechanics, fluid mechanics, and thermodynamics. Corequisite: PHYS 1301. F

PHYS 1302 College Physics II (3)*
Basic concepts of oscillatory motion, electricity, magnetism, nature of light, optics, relativity, and quantum theory using algebra and trigonometry. Prerequisites: PHYS 1301/1101. Corequisite: PHYS 1102. S

PHYS 1102 College Physics II Laboratory (1)*
Experiments in oscillatory motion, electricity, magnetism, nature of light, optics, and quantum theory. Corequisite: PHYS 1302. S

PHYS 2325 University Physics I (3) *
Basic concepts of Newtonian mechanics, fluid mechanics, and thermodynamics using calculus. Prerequisite: MATH 2414. Corequisite: PHYS 2125. F

PHYS 2125 University Physics I Laboratory (1)*
Experiments in Newtonian mechanics, fluid mechanics, and thermodynamics. Corequisite: PHYS 2325. F

PHYS 2326 University Physics II (3) *
Basic concepts of oscillatory motion, electricity, magnetism, nature of light, optics, relativity, and quantum theory using calculus. Prerequisite: PHYS 2325/2125. Corequisite: PHYS 2126. S

PHYS 2126 University Physics II Laboratory (1)*
Experiments in oscillatory motion, electricity, magnetism, nature of light, optics, and quantum theory. Corequisite: PHYS 2326. S
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 4353 Emotional and Behavioral Disorders (3)
- EDUC 4354 Learning Disabilities (3)
- EDUC 4355 Mental Retardation (3)
- EDUC 4356 Behavior Management (3)
- KINE 3310 Motor Development (3) or
- KINE 3330 Physical Activity for Handicapping Conditions (3)
- PSYC 3403 Principles of Learning (4)
- PSYC 4311 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. F

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. F

EDUC 4352 Collaborative Teaching 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. Summer 06

EDUC 4353 Emotional and Behavioral Disorders (3)
This course examines typical characteristics associated with emotional and behavioral disorders, identification procedures, and the development of appropriate intervention programs. Field-based experience is required. Prerequisite: EDUC 3352 or PSYC 4341. S

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. S
EDUC 4355 Mental Retardation (3)
This course examines characteristics associated with mild and moderate mental retardation, identification procedures used, and the development of appropriate intervention programs. Field-based experience is required. Prerequisite: EDUC 3352 or PSYC 4341. 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, S

KINE 3330 Physical Activity for the Disabled (3)
Introduction to various disabling conditions with particular emphasis on their impact upon an individual’s ability to perform sports and other physical activities. A closer look at a variety of appropriate physical activities for disabled persons.

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. F, S, Summer

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**

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