



**THE UNIVERSITY OF TEXAS  
OF THE PERMIAN BASIN**

**Catalog 2011-2013**

**First Distributed Fall 2011.**

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

## Undergraduate Areas of Study at The University of Texas of the Permian Basin

Subject	Bachelor Degree	Undergraduate Minor	Teacher Certification
Accountancy	BBA	Yes	
Applied Arts and Sciences	BAAS	Yes	
Art	BA & BFA	Yes	EC-4, EC-12
Art History	---	Yes	
Athletic Training	BS	Yes	
Bilingual Education/ESL Studies	---	Yes	EC-4, 4-8, 8-12(ESL)
Biology	BS	Yes	EC-4, 4-8, 8-12
Business	---	Yes	6-12
Chemistry	BS	Yes	8-12
Child and Family Studies	BA	Yes	EC-4, EC-12
Coaching	---	Yes	
Communication	BA	Yes	8-12
Computer Science	BS	Yes	8-12
Criminal Justice	BS	Yes	
Criminology	BA	Yes	
Drama	---	Yes	
Economics	BA	Yes	
Energy Studies	---	Yes	
Engineering	BS	---	
English	BA	Yes	EC-4, 4-8, 8-12
Entrepreneurship	---	Yes	
Environmental Science	BS	Yes	
Finance	BBA	Yes	
Fine Arts	---	Yes	
Geography	---	Yes	
Geology	BS	Yes	
History	BA	Yes	EC-4, 4-8, 8-12
Humanities	BA	---	EC-4, 4-8, 8-12
Industrial Technology	BS	---	
Information Systems	BS	---	
Kinesiology	BS	Yes	EC-12
Leadership Studies	BA	Yes	
Management	BBA	Yes	
Marketing	BBA	Yes	
Mathematics	BS	Yes	4-8, 8-12
Mechanical Engineering	BS	Yes	
Mexican-American Studies	---	Yes	
Multicultural Studies	---	Yes	
Multidisciplinary Studies	BA	---	EC-4, 4-8
Music	---	Yes	EC-12
Petroleum Engineering	BS	---	
Physical Education	---	---	EC-12
Political Science	BA	Yes	
Psychology	BA	Yes	EC-4, 4-8, EC-12
Science	---	---	4-8, 8-12
Social Studies	---	---	4-8, 8-12
Social Work	BSW	---	
Sociology	BA	Yes	EC-4
Spanish	BA	Yes	EC-4, 6-12
Special Population Studies	---	Yes	EC-12
Women's Studies	---	Yes	

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This catalog is a general information publication only, and it is not intended to nor does it contain all regulations that relate to students.

## Welcome Students,

It is my pleasure to welcome you to The University of Texas of the Permian Basin! We are a University of Texas institution, located in Odessa, Texas, providing bachelor and master degrees, leadership training and research focusing on West Texas and Texas. As reported in Newsweek, Washington Monthly and U.S. News & World Report, UT Permian Basin has an excellent reputation as a university focused on students and academic growth. Our business school is ranked in the top third of U.S. business schools, accredited by the Association to Advance Collegiate Schools of Business - International. Our social work and art programs and the School of Education are also nationally accredited. Our teachers do well on the state certification tests with 95 percent passing. UT Permian Basin also offers degrees in some of the fastest growing fields, such as mechanical engineering with a concentration in nuclear engineering, athletic training, criminal justice, computer science, information systems and petroleum technology. In rankings by the Texas Higher Education Coordinating Board, UTPB is always among the top universities in the state for its graduates finding jobs or going on to graduates or professional school.

I am confident that you will find courses and degree plans to suit your career goals. UTPB has a terrific team of academic advisors ready to answer your questions and get you started on the path to success. Career fairs and local business leaders are also frequently on campus to share real world experiences and help you choose the career that's right for you. A degree from UT Permian Basin is a terrific investment in your future. According to the Texas Higher Education Coordinating Board, UTPB is number one in Texas for its graduates getting jobs or going on to graduate or professional school. UTPB is an outstanding place to learn. This is a dynamic, growing campus with about 4,000 students. I encourage you to be involved in campus life as well as academics. The university stages several theatrical productions, musical performances and student art shows every year. Student Life is active with clubs, organizations and events, and the Student Program Board presents fun events that are free to students. Past events have included comedians, hypnotists and concerts. Our nice weather also helps make intramural sports like Falcon Ultimate a big part of student life at UT Permian Basin. We are members of the National Collegiate Athletic Association (NCAA) at the Division-II level -- we have 13 sports so there is almost always a time when you can come cheer the Falcons on.

UTPB has some of the best student apartments in Texas. The UTPB Gymnasium Complex has a new weight training facility, basketball and volleyball courts, walking and rollerblading trails, a duck pond and Odessa's largest outdoor heated swimming pool. The campus also includes one of the country's best Visual Arts Studio and the two-story Library/Lecture Center. In Fall 2011, our new state of the art Science and Technology Building will be open as well as our world class Wagner Noël Performing Arts Center. The new Student Activities Center is open and is offering quality food and Starbucks coffee.

I want you to have the very best college experience possible. UT Permian Basin's focus on student life and academic excellence will help you do just that. Scholarships and financial aid are available. Entering freshmen in the top half of their high school graduating classes receive \$1,000 per semester scholarships, while transfer students receive \$1,500 per semester. Come join us!

W. David Watts  
President  
The University of Texas of the Permian Basin



**David Watts, PhD**

**President**

As President of the University, his 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.

**ABOUT THE UNIVERSITY:**

The University of Texas of Texas of the Permian Basin is located in the middle of the largest domestic oil field in the continental United States. Over 70 percent of Texas oil production is from the Permian Basin, and approximately 20 percent of the nation's domestic production is here. UTPB is focused on energy related education, including Mechanical Engineering with a concentration in Nuclear Engineering, energy marketing, energy accounting, energy finance and, beginning in Fall 2011, Petroleum Engineering. UTPB is also proposing a landman program that will serve the demand for energy development including oil and gas and wind. The Permian Basin is the heart of America's energy production. This is where students interested in energy can learn how to be successful.

The University's drama department stages several productions each year, and Student Life is active with clubs, organizations and events. The Student Program Board brings concerts and entertainers to the community. The Wagner Noel Performing Arts Center will open Fall 2011. The UTPB Music Program will have state of the art facilities for performance and music education. Also in Fall 2011, the state of the art Science and Technology Building will be open, providing superb facilities for Biology, Chemistry and Computer Science. The new Student Activity Center is open now providing quality food service, including meal tickets, for UTPB students. The UTPB gymnasium boasts a new weight training facility and wooden floor basketball and volleyball courts. Nearby are walking and rollerblading trails, a duck pond, and an Olympic-sized, outdoor heated swimming pool. The new Visual Arts

Studio facility provides two and three dimensional studio space that is really first rate. Over 500 apartment-style student housing is available for all classes of students, and the 5,600 square-foot Parker Ranch House provides recreational and study space. It is comprised of a lounge, meeting room and theater, a large commons area with a kitchen, weight room, two computer labs, and a covered, built-in barbeque pit. UTPB is now a member of the National Collegiate Athletic Association (NCAA) at the Division-II level. Its intercollegiate sports include men's and women's soccer, cross country, swimming, tennis, basketball as well as men's baseball and women's softball and volleyball. The athletic program also supports cheerleading and dance teams. Scholarships are available.

Individuals and businesses support the university through endowments, scholarships and gifts. UTPB has a variety of scholarships available, including 24 Endowed Presidential Scholarships, 51 Endowed Scholarships, and 88 non-endowed scholarships. Some are based on academics, but many are based upon financial need. The university partners with the communities through a variety of programs, including the Small Business Development Center and the Center for Energy and Economic Diversification (CEED). The CEED Building is available for meetings, workshops, and receptions. To find out more about the University or to arrange for a campus tour, call the Office of Admissions at 432.552.2605 or check out the website at [www.utpb.edu](http://www.utpb.edu).

### **Statement of Equal Educational Opportunity**

To the extent provided by applicable law, 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

### **Mission Statement**

The University of Texas of the Permian Basin is a general academic university of The University of Texas System. The University of Texas System is committed to pursue high-quality educational opportunities for the enhancement of the human resources of Texas, the nation, and the world through intellectual and personal growth.

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 the diverse constituency in Texas and the region.

### **SACS Accreditation**

The University of Texas of the Permian Basin is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate and masters degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of The University of Texas of the Permian Basin.

The University of Texas of the Permian Basin operates in conjunction with the Rules and Regulation of the Board of the University of Texas System.

**THE UNIVERSITY OF TEXAS SYSTEM  
BOARD OF REGENTS  
OFFICERS**

Wm. Eugene "Gene" Powell, Chairman  
Paul L. Foster, Vice-Chairman  
R. Steven "Steve" Hicks, Vice-Chairman  
James D. Dannenbaum, Vice-Chairman  
Francie A. Frederick, General Counsel to the Board of Regents

**MEMBERS**

Terms Expire February 1, 2013\*

James D. Dannenbaum.....Houston  
Paul Foster .....El Paso  
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Terms Expire February 1, 2015\*

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Wm. Eugene "Gene" Powell .....San Antonio  
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Term Expire February 1, 2017\*

Alex M. Cranberg.....Austin  
Wallace L. Hall, Jr. ....Dallas  
Brenda Pejovich.....Dallas

Student Regent with Term to Expire May 31, 2012\*

John Davis Rutkauskas .....San Antonio

\*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  
Karen Smith .....Asst. Vice President for Graduate Studies & Research  
Mylan Redfern..... Dean, College of Arts and Sciences  
Rachel Juarez-Torrez .....Interim Dean, School of Education  
Jack D. Ladd.....Dean, School of Business



## University Calendar

	<u>Fall 2011</u>	<u>Fall 2012 (tentative)</u>
Registration Begins	April 1	April 1
Classes Begin	Aug. 22	Aug. 27
Last Day of Late Registration	Aug. 30	Sept. 5
Last Day to Add a Course	Aug. 30	Sept. 5
Labor Day Holiday	Sept. 5	Sept. 4
Last Day to Drop with 100% Refund	Sept. 7	Sept. 12
Last Day to Drop without Creating an Academic Record	Sept. 7	Sept. 12
Last Day to File for Graduation	Oct. 7	Oct. 5
Last Day to Withdraw or Drop	Oct. 28	Nov. 2
Last Day to Submit Master's Thesis and Reports to Committee	Nov. 4	Nov. 5
Last Day to Add Self-Paced Courses	Nov. 4	Nov. 5
Last Day to Take Oral Exam (Graduate Students)	Nov. 22	Nov. 20
Thanksgiving Holiday Begins at 10:00 p.m.	Nov. 23-25	Nov. 21-23
Thanksgiving Holiday	Nov. 24-25	Nov. 22-23
Last Day to Submit Final Copies of Approved Thesis or Report to Graduate Studies Office	Dec. 2	Nov. 30
Last Regular Class Day	Dec. 8	Dec. 6
Study Day (no class or exams)	Dec. 9	Dec. 7
Final Exams	Dec. 12-15	Dec. 10-13
Semester Ends	Dec. 16	Dec. 14
Commencement	Dec. 17	Dec. 15
	<u>Spring 2012</u>	<u>Spring 2013 (tentative)</u>
Registration Begins	Nov. 1 '11	Nov. 1'12
Martin Luther King Day – Classes Dismissed	Jan. 16	Jan. 21
Classes Begin	Jan. 17	Jan. 14
Last Day of Late Registration	Jan. 25J	Jan. 23
Last Day to Add a Course	Feb. 1	Jan. 23
Last Day to Drop with 100% Refund	Feb. 1	Jan. 30
Last Day to Drop without Creating an Academic Record	Feb. 1	Jan. 30
Last Day to File for Graduation	Mar. 9	Mar. 8
SPRING BREAK ( <b>Tentative</b> )	Mar. 12-16	Mar. 11-15
Last Day to Withdraw or Drop	Mar. 30	Mar. 22
Last Day to Submit Master's Thesis and Reports to Committee	Mar. 30	Mar. 29
Last Day to Add Self-Paced Courses	Mar. 30	Mar. 29
Last Day to Take Oral Exam (Graduate Students)	Apr. 27	Apr. 26
Last Day to Submit Final Copies of Approved Thesis or Report to Graduate Studies office	May 3	Apr. 30
Last Regular Class Day	May 3	May 2
Study Day ( no class or exams)	May 4	May 3
Final Exams	May 7-10	May 6-9
Semester Ends	May 11	May 10
Commencement	May 12	May 11
	<u>Maymester 2012</u>	<u>Maymester 2013</u>
Registration and First Day of Class	May 14	May 13
May Term Ends	May 31	May 30
	<u>Summer 2012</u>	<u>Summer 2013</u>
Registration	Nov 1, '11	Nov. 1, '12
Classes Begin (Summer I and Whole Summer)	June 4	June 3
Summer I Ends	July 5	July 5
Classes Begin (Summer II)	July 9	July 8
Classes End (Summer II and Whole Summer)	Aug. 9	Aug. 8

# Learning Resources/Learning Centers/ Institutes

## 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, 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. Both wired and wireless connectivity is available across the 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 XX 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 operates 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. Our friendly, well-trained tutors are available for walk-ins and appointments, though appointments are preferred. Call us at 552-2302.

### **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.

### **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.

### **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.

## **REACH Distance Learning Program Center**

The Regional Electronic Academic Communications Highway, or REACH for West Texas, is responsible for coordination and deployment of quality distance education through the use of the most advanced and efficient learning technologies available. In a continuing effort to educate those who integrate technology into their teaching, REACH works with faculty to design, develop, deliver and support undergraduate and graduate courses for more flexible delivery to learners of UT of the Permian Basin. The Center's services include training and support for face-to-face sessions, online learning, and blended models. REACH promotes distance education initiatives to exchange online courses and programs with other UT System component institutions through the UT Online Consortium. Course information is on the REACH Distance Learning Program Center homepage at <http://aa.utpb.edu/reach/>

**Admission:** Once admitted to UTPB, student may register for online courses offered at UTPB in addition to online courses offered through other UT components. See UTOC below for more information. For more information about Admissions, see <http://ss.utpb.edu/admissions/>

Register for U.T. Permian Basin online courses through CampusConnect online at [https://texas.utpb.edu/cc3\\_scripts/cc\\_server.exe](https://texas.utpb.edu/cc3_scripts/cc_server.exe)) or contacting the Office of the Registrar, [registrar@utpb.edu](mailto:registrar@utpb.edu), or 432.552.2635. For U.T. Permian Basin instructors, email addresses are in the standard form [lastname\\_firstinitial@utpb.edu](mailto:lastname_firstinitial@utpb.edu). For example, Dr. Noe Telling, is [tell\\_n@utpb.edu](mailto:tell_n@utpb.edu)

E-Advisor is a service to facilitate the academic advising process for students. For more academic advising information see <http://cas.utpb.edu/academic-advising-center/e-advisor/>.

Course materials are available at the U.T. Permian Basin Bookstore online at <http://www.bkstr.com/>, [utpb@bkstr.com](mailto:utpb@bkstr.com), or 1.800.381.5151 available between 7am and 6pm CST.

**Computer Requirements:** Online students must have access to a computer and a reliable Internet provider and/or use U.T. Permian Basin computer facilities. Off-campus access to web and web-enhanced courses requires, at least, a 56.6 KBPS modem, preferably a cable modem, DSL, or intranet (T-1) connection to the Internet. Note: Corporate or academic security firewalls may block some course content such as chat or streaming media. Accommodations for access can usually be arranged if you contact your network administrator, though local security policies ultimately dictate what is allowed. Some course materials require a computer with a CD/DVD drive, sound cards, and speakers. Campus facilities with appropriate facilities are available in the Mesa Building Computer Center, MB 2215.

More information regarding how to configure a computer's Internet browser is available on <http://online.utpb.edu/webapps/portal/frameset.jsp>

**UTOC:** The University of Texas Online Consortium (UTOC) links to various admissions and registrar offices throughout the U. T. System. Designated contacts at each campus and service support staff of the UT components are available to assist students. UTPB students may enroll in online courses offered at another UT campus through the Texas Information System (TIS) at <https://tis.telecampus.utsystem.edu/>. To see a full listing of courses and host universities for the UTTC programs, please access the UTOC website at <http://www.utcoursesonline.org/programs/programinfo/bac/index.html>

Tuition and Fees for distance education courses: To defray costs associated with providing materials, services and instructional support for Distance Education courses, a \$55 per credit hour fee will be added to the basic tuition rate.

### **The University of Texas Consortium (UTOC):**

Every semester, thousands of students choose online learning with UT institutions as an option to expand their educational opportunities. The majority of the programs offered by UT institutions can be completed entirely online. Any exceptions will be noted on the program information pages. Some programs lead to a degree, endorsement or certificate conferred by the participating institution, while others are a grouping of courses. Online courses follow a semester-based schedule.

All UT institutions are accredited by the Southern Association of Colleges and Schools (SACS). In some programs, discipline-specific accreditation also exists and is listed.

- [Undergraduate Programs](#)
- [Graduate Programs](#)
- [Non-Program Courses](#)

### **Tuition and Fees for distance education courses:**

To defray costs associated with providing materials, services and instructional support for Distance Education courses, a \$35 per credit hour fee will be added to the basic tuition rate.

### **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 CEED facility in 1990. The goals of the SBDC program are to:

- Provide free, in-depth, quality assistance to small businesses in promoting growth, expansion, innovation, increased productivity and management support;
- Act as an advocate for small business, actively supporting and promoting small business interests;
- Help economic growth of the communities served and create a broad-based delivery system;
- Serve as a liaison, linking resources of federal, state and local governments with those of colleges, universities and the private sector to meet the specialized and complex needs of the small business community; and
- Develop and expand unique resources of the educational system, the private

sector and state and local governments to provide services to the small business community not available elsewhere.

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

### **John Ben Shepperd Public Leadership Institute**

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

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

### **JBS 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.



# ADMISSIONS

## INFORMATION FOR NEW STUDENTS

### Application Procedures

Persons seeking admission should apply online using the ApplyTexas Application found at [www.applytexas.org](http://www.applytexas.org) or at the UTPB web site at [www.utpb.edu](http://www.utpb.edu) or obtain admissions information 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, an international student and what specific semester he/she plans to enroll.

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

### Freshmen Applicants

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."

In addition to completing the ApplyTexas Application found at [www.applytexas.org](http://www.applytexas.org), 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 College Board's SAT or the American College Testing Program (ACT). Although the final transcripts showing date of graduation cannot be sent until after high school graduation, a tentative admissions decision, as well as scholarship consideration, can be made on the basis of an official high school transcript listing the courses taken up to the time of application, the grades and the *approximate* class rank. Applicants are considered freshmen if they have accumulated fewer than 24 semester credit hours of college credit. The Office of Admissions recommends that potential freshmen complete the application process in the spring of their senior year in high school or by the following recommended dates:

**Fall Semester**  
July 15

**Spring Semester**  
November 15

**Summer Semester**  
April 15

## Fall Scholarship Deadline

April 1

**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.

### State-Mandated Admission Criteria

State law requires that in order to be admitted, applicants must also have either:

1) successfully completed the curriculum requirements for the recommended or advanced high school program or its equivalent;

OR

2) satisfied ACT's College Readiness Benchmarks on the ACT assessment applicable to the applicant or earned on the SAT assessment a combined verbal, math, and writing score of at least 1,500 out of 2,400 or the equivalent.

UTPB may waive the state-mandated requirement for up to 20% of its entering freshman class.

### High school curriculum requirements

Texas students completing the recommended or advanced/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 – 4 credits
- Science – 4 credits
- Social Studies – 3 ½ credits
- Economics – ½ credit
- Physical Education – 1 ½ credits
- Health Education – ½ credit
- Fine Arts – 1 credit
- Languages other than English - 2 to 3 credits
- Communication Applications – ½ credit
- Technology Application – 1 credit
- Electives – 3 ½ credits

The above curriculum requirement may be satisfied if the applicant's official high school transcript or diploma states that the applicant completed the portion of the recommended or advanced curriculum or its equivalent that was available to the applicant, but was unable

to complete the remainder of the curriculum solely because courses necessary to complete the remainder were unavailable to the applicant at the appropriate times in the applicant's high school career as a result of course scheduling, lack of enrollment capacity, or another cause not within the applicant's control. Applicants included within this category are those who have a GED, are out-of-state residents, attend private schools, or home schooled. Students graduating from other high school programs should complete a similar college preparatory course of high school study.

## Freshmen Admission Requirements

### Top 10% of the High School Class

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, class rank and SAT or ACT score requirements as noted. Students admitted on this basis must complete the requirements of the Texas Success Initiative (TSI).

### SAT or ACT Score Only

An applicant who graduated from high school or equivalent program and successfully completed the state-mandated curriculum requirement will be admitted unconditionally if the applicant has a score of 600 on the critical reading (verbal) and minimum score of 600 on math sections and a combined critical reading/math only score of 1200 on the SAT or a score of 26 on the ACT. This standard will be raised to 1250 on the SAT (CR+M) or a 27 ACT score for Fall 2013. Applicants admitted on this basis must complete the requirements of the Texas Success Initiative.\*

### Combination of Class Rank and Standardized Test Scores

Applicants may be admitted unconditionally to the University if they have successfully completed the state-mandated curriculum requirement and meet the following class rank and SAT/ACT scores. Applicants admitted on this basis must complete the requirements of the Texas Success Initiative.\*

Graduation Class Rank	Entrance Exam Requirement SAT(CR+M)/ACT	
	Fall 2011 to Fall 2012	Fall 2013 to Fall 2014
Top 10%	No Minimum Score	No Minimum Score
11-25%	900/18	950/19
2 <sup>nd</sup> quarter	950/19	1000/20
3 <sup>rd</sup> quarter	1080/23	1150/24
4 <sup>th</sup> quarter	1200/26	1250/27

\* The Texas Success Initiative (TSI) requires all entering freshmen to take placement tests in reading, mathematics and writing as noted on page 35.

Note : Admissions requirements subject to change upon approval of UT Regents.

## Home Schooled Applicants

Freshman applicants graduating from home schools must provide evidence that the state-mandated curriculum requirements or its equivalent have been met and have scored 1080 or higher on the SAT(CR+M) [1150 or higher on the SAT(CR+M) for Fall 2013 and after] or 23 or higher on the ACT [24 or higher on the ACT for Fall 2013 and after] and be 18 years of age or older.

## GED Recipients

Freshman applicants with GED certificates must have scored 1200 or higher on the SAT (CR+M) [1250 or higher on the SAT (CR+M) for Fall 2013 and after] or 26 or higher on the ACT [27 or higher on the ACT for Fall 2013 and after]; be 18 years of age or older; and show evidence of meeting the state-mandated curriculum requirements by attaining a score of 50 or better on each individual GED score.

## Other Admissions Criteria

Applicants who do meet the state-mandated admission criteria may also be admitted to the University of Texas of the Permian Basin based on a number of criteria or indicators of readiness for college success. Applicants who have evidence of high school graduation or its equivalent may be admitted by the director based on high school rank, ACT or SAT scores, and other evidence of college readiness, including the following criteria:

- Student's rank in high school class
- Letters of recommendation from educators or professionals who can comment on the applicant's potential for success in college
- Scores on the CLEP, AP, International Baccalaureate, or other nationally recognized standardize examination for college placement
- The SAT Writing exam
- Essays submitted as part of the Texas Common Application
- Concurrent or dual enrollment college course credit
- Documentation of a rigorous high school curriculum completed
- SAT, ACT, or other standardized test results
- Evidence of leadership in community service or school activities
- Work experience or military service since leaving high school
- 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
- Performance ranking of the high school

In reviewing a student for admission the Admissions Director 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;; and the socioeconomic background of this family. An applicant may be admitted unconditionally, provisionally or conditionally.

## **CONDITIONAL ADMISSIONS**

All admitted students must satisfy the Texas Success Initiative\* requirements and placement testing of the University. Students who do not successfully meet these requirements or who enter with academic deficiencies may be admitted conditionally. Conditionally admitted students will complete a student success plan as one of the conditions for their admissions. To be removed from conditional status, a student must:

- Complete twelve or more general education credit requirements from UT Permian Basin with grades of "C" or better in each course; and
- Complete other enrollment requirements consistent with his or her deficiencies at the time of application.

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

## **PROVISIONAL ADMISSIONS PROGRAM**

Under the UT Permian Basin Provisional Enrollment Program for freshmen, any student graduating from high school may enter UTPB in the summer or spring semester. Following her or his high school graduation 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 a high school with the required units and subjects as prescribed by the institution. Students who successfully meet the following standards will be admitted for subsequent semesters or unconditional admissions status. The student must complete in a single semester or the combined summer terms a total of twelve semesters of general education courses selected from English, mathematics, natural sciences, social sciences, fine arts and humanities with a semester grade point average in those courses of 2.0 or above.

## **EARLY ADMISSIONS PROGRAM (EAP)**

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

- have completed their sophomore 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 (CR+M) or 19 on the ACT;
- have the recommendation of their high school principal or counselor; and
- 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 ApplyTexas Application form in addition to an EAP application
- must meet Texas Success Initiative\* requirements
- will pay the regular tuition rates and will be permitted to enroll in college courses

- will be allowed to enroll in up to six credit hours per semester of any freshman/sophomore level courses that are being offered, provided they have the prerequisites

## **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 (permanent resident 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.

**In addition to the general admission requirements previously listed for Freshman and Transfer Applicants, the following regulations apply to all international students:**

International Applicants should apply for admission using the ApplyTexas Application (electronic) at [www.applytexas.org](http://www.applytexas.org) 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.

1. **High School or Secondary School Transcripts** - Submit an official record (transcript) of all secondary school work attempted, including subjects taken and grades earned. In addition, an official copy of final examinations taken at the end of the secondary school program, such as school leaving certificates and matriculation exam results should be submitted. If documents are written in a language other than English, complete and official English translations must be provided. Each transcript (mark sheet) should contain a complete record of studies at the institution from which it is issued (i.e. the subjects taken and grades (marks) earned in each subject.) Send these to UTPB Admissions, 4901 E. University, Odessa, TX 79762-0001.
2. **College/University Transcripts** - Official, certified transcripts of student’s academic record (mark sheets) from universities previously attended 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. Certification of Financial Support** – Student must submit a completed and signed Certification of Finances form that provides evidence guaranteeing the student’s ability to pay expenses while enrolled at U. T. Permian Basin. This form 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. Additional support can be from family members, a sponsor or government with supporting documentation and signatures attached to the Certification of Finances Form (available online at [www.utpb.edu](http://www.utpb.edu).)

**4. English Proficiency** - All applicants whose native language is not English, must submit proof of English proficiency by one of the following:

- a. 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. 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), 213 (computer-based), or 79 (internet-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) or
- b. The Academic Examination of International English Language Testing System (IELTS) with a minimum score of 6.5 or better. There is no institutional code for UTPB and so send your scores to UTPB Admission, 4901 E. University, Odessa, TX 79762-0001 or
- c. 24 semester credit hours of transferable college course work from a regionally accredited U.S institution to include English 1301 & 1302 (Freshman Composition I & II) with grades of “C” or higher.

**5. Medical Insurance Requirement** - International students on F-1 visas must 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.

**6. Vaccination Requirement** - Any student planning to live on campus must show evidence that he/she has received the Bacterial Meningitis Vaccination prior to moving on-campus. *Students cannot move into the residence halls within ten days of receiving the meningitis vaccination.* For Fall 2012 and beyond, ALL new students will be required to show evidence of receiving the Bacterial Meningitis vaccination prior to enrollment.

**7. Employment Restrictions** - 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. Graduate Studies** - Students requesting 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. International Transfers from U.S. Institutions** - Transfer admissions from universities within the United States will be processed only for those students who have completed one full year (24 semester hours) or more of studies. If currently “**in-status**” under a F or J Visa, the United States Citizenship and

Immigration Services (USCIS) must be notified when an international student transfers from one U. S. institution to another. Once a student is admitted, UTPB will provide a **Transfer-In Form** that will need to be completed by the previous U.S. institution and submitted to UTPB to release the active Visa information for update. However, if a student is “**out of status**” with USCIS, that student should reinstate him/herself with USCIS 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.

### **Transfer Applicants**

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.”

The University is committed to the recruitment and retention of transfer students. Direct Connect and other articulation agreements with community colleges across the state and participation in the Texas Common Course Numbering System simplify the transfer of credit to UTPB. The University provides a Transfer Admission Counselor who assists with prospective transfer applicants and an Academic Advisor for Transfer Students who assists students with degree plans prior to and after enrollment. The University provides transfer merit scholarships to assist academically qualified transfer students in making UTPB a more affordable choice. This next section outlines the admission requirements and transfer procedures. If any questions arise regarding the transferability of courses, please contact the Admission Office at 432-552-2605 or [admissions@utpb.edu](mailto:admissions@utpb.edu) for further assistance.

### **Transfer Admissions Requirements**

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 Admission 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 colleges or universities 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 Student**

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 colleges or universities 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 they are *ineligible* to return immediately to their 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.

## **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*). 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. 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. An applicant who makes the election to apply under this statute will not receive any course credit for courses taken 10 or more years prior to enrollment under Academic Fresh Start.

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

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

## **Academic/Disciplinary Suspension**

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

## **TRANSFER OF CREDIT**

### **Undergraduate Transfer of Credit**

There is no limit to the number of credit hours that may be transferred provided they meet the rules governing transfer of credit listed below. However, students must complete a total of 48 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. Credit for Military Service – course credit for all physical education credit required (4 credits) and for additional semester credit hours, not to exceed 12, may be applied to satisfy elective course

requirements for the student's degree program for courses outside the student's major or minor if the student

- a. Graduated from a public or private high school accredited by a generally recognized accrediting organization or from a high school operated by the United States department of defense; and
- b. Is an honorably discharged former member of the armed forces of the United States who has completed at least two years of service in the armed forces or was discharged because of a disability.

Student must provide proof of eligibility (i.e. DD Form 214 or disability discharge documentation)

9. 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.

10. 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.

### **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 practicably 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 295 of this catalog.

There are three 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); and the International Baccalaureate Diploma Program. 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.

Discipline [UTPB Courses in brackets]	CEEB AP
ART History (6 hrs.)[ARTS 1303, 1304]	4
ART – Drawing [ARTS 1316]	5
Biology (4 hrs.) [BIOL 1306/1106]	3
Biology (8 hrs.) [BIOL 1306/1106, 1307/1107]	4
Chemistry (4 hrs.)[CHEM 1311/1111]	3
Chemistry (8 hrs.)[CHEM 1311/1111, 1312/1112]	4
Computer Science A (4 hrs.) [COSC 1430]	3
Computer Science AB (4 hrs.) [COSC 1430]	3
Economics (6 hrs.) [ECON (MAC) 2301 / ECON (MIC) 2302]	4
English Language & Composition (3 hrs.)[ENGL 1301]	3
English Literature & Composition (3 hrs.)[ENGL 2327]	3
U.S. History I (3 hrs.)[HIST 1301]	3
U.S. History I & II (6 hrs.)[HIST 1301, 1302]	4
European History (3 hrs.) [HIST 2312]	3
Calculus AB (4 hrs.)[MATH 2413]	3
Calculus BC (8 hrs.)[MATH 2413, 2414]	3
Physics C ELEC & MAG (4 hrs.)[PHYS 2316/2126]	3
Physics C MECH (4 hrs.)[PHYS 2325/2125]	3

U.S. Government (3 hrs.)[PLSC 2305]	3
Psychology (3 hrs.)[PSYC 1301]	3
Spanish (4 hrs.)[SPAN 1411]	2
Spanish (8 hrs.)[SPAN 1411, 1412]	3
Spanish (11 hrs.)[SPAN 1411, 1412, 2311]	4
Spanish (14 hrs.)[SPAN 1411, 1412, 2311, 2312]	5

**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.

Financial Accounting (ACCT 2301)	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 Algebra (MATH 1314)	50
Pre-calculus (MATH 2412)	50
Calculus (MATH 2413)	50
Principles of Management (MNGT 3310)	55
Introductory Business Law (MNGT 3324)	55
Principles of Marketing (MKGT 3300)	55
American Government (PLSC 2305)	50

Introductory Psychology (PSYC 1301)	50
Introductory Sociology (SOC 1301)	50
Spanish Language (SPAN 1411 & 1412)	50
Spanish Language (SPAN 1411, 1412, 2311)	58
Spanish Language (SPAN 1411, 1412, 2311, 2312)	66

### 3. Credit for International Baccalaureate

The University of Texas of the Permian Basin awards course credit, as listed below, for the successful completion during high school of the International Baccalaureate Diploma program (IB) and passing the appropriate Standard Level (SL) and Higher Level (HL) exams with a score of 4 or better.

<b>IB Examinaton</b>	<b>UTPB Course(s) credited</b>
Biology (SL)	BIOL 1306/1106
Biology (HL)	BIOL 1306/1106 and 1307/1107
Chemistry (SL)	CHEM 1311/1111
Chemistry (HL)	CHEM 1311/1111 and 1312/1112
Computer Science (SL)	COSC 1430*
Computer Science (HL)	COSC 2430*
Economics (SL)	ECON 2301
Economics (HL)	ECON 2301 and 2302
English (see Modern Languages)	
Environmental Systems (SL)	ENSC 1401
Geography (SL)	GEOG 1301
Geography (HL)	GEOG 1301 and 1302
History (HL and SL)	
Africa	HIST 2306
Americas	HIST 2310
E & SE Asia	HIST 2323
Europe	HIST 2312
Mathematics	
Mathematical Studies (SL)	
(Algebra or equiv.)	Math 1314, 1324, or 1332
Mathematical Methods (SL)	
(Pre-Calculus or equiv.)	Math 1325, 2413, 2414, 3301, 3315, and 3350
Mathematics (HL only)	
(Calculus)	Math 2413, 2414, 3301, 3315, and 3350
Modern Languages	
Language A1, A2, and B	
English (SL)	ENGL 1301
English (HL)	ENGL 1301 and 1302
(w/extended essay, C or better)	
Spanish (SL)	SPAN 1411 and 1412
Spanish (HL)	SPAN 1411, 1412, 2311, and 2312
Other (SL)	MODL 1389 or 1489 as appropriate
OTHER (HL)	MODL 1389, 1489, 2389, and/or 2489 as app.
Language <i>ab initio</i> (SL only)	

English (SL)	ENGL 1301
Spanish (HL)	SPAN 1411 and 1412
Other (SL)	MODL 1389 or 1489 as appropriate
Music (SL)	MUSI 1306
Music (HL)	MUSI 1306 or 1489 as appropriate
Philosophy (SL)	PHIL 1304
Philosophy (HL)	PHIL 1304 and 2303
Psychology (SL)	PSYC 1301
Psychology (HL)	PSYC 1301 and one upper level PSYC
Physics (SL)	PHYS 2325/2125
Physics (HL)	PHYS 2325/2125 and 2326/2126
Social/Cultural Anthropology (SL)	SOCI 1301
Theater Arts (SL)	DRAM 2301
Theater Arts (HL)	DRAM 2301 and 2302
Visual Arts (SL)	ARTS 1301
Visual Arts (HL)	ARTS 1301/based on review 1311, 1316, 2331

### **Texas Residency for Tuition Purposes**

The Office of Admissions initially determines Texas residency status for all new or re-applying students for the University. The initial decision is based on information provided by way of the admission application and additional residency questionnaire information provided by the student. Prospective students may seek additional information about residency status with the Residence Determination Official (Registrar) or may also seek information at the Texas Higher Education Coordinating Board website at: [www.theccb.us.state.tx/cbrules](http://www.theccb.us.state.tx/cbrules)

Student considering a reclassification of their residence status may do so with the Residence Determination Official (Registrar). For information on reclassification or Residency issues please see page 39.

### **Military Service Training School Courses**

As a Serviceman's Opportunity College (SOC) institution, UTPB awards credit on a limited basis for military coursework. In order for the credit to be awarded, a student submits to UTPB an official Army/American Council on education Registry Transcript System (AARTS) or an official Sailor/Marine/ACE Registry Transcript (SMART) listing all military coursework completed. The Admission Office evaluates the transcript and determines the transferability of coursework. Credit is awarded for military coursework that is deemed parallel to academic coursework. Credit is not awarded for military experience based upon a Military Occupational Specialty (MOS) or for coursework that is solely technical in nature. Awarding of credit for military coursework does not guarantee its applicability to a degree at UTPB. A student who has taken military credits that do not transfer may challenge by examination (i.e. CLEP) or other petition procedure established by your academic department. "

### **Military Related Withdrawals**

In accordance with section 51.9242 of the Texas Education Code, a student who withdraws from the University in order to perform active military service will be readmitted for any semester or summer session that begins within a year after the student's release from active service. The student is not required to reapply. However, if he or she has been out for more than two semesters, the student must submit a returning student application (no application fee) to inform the university that the student plans to re-enroll and update demographic and major related information. Readmitted students may be eligible for the same financial assistance provided before the student's withdrawal.

### **Dependents of Public Servants Killed in the Line of Duty**

In accordance with section 51.803(e) of the Texas Education Code, applicants who are considered dependents of certain public servants who were killed or sustained a fatal injury in the line of duty are entitled to automatic admission to the University if the applicant meets any minimum requirements established by University. Students admitted on this basis must complete the requirements of the Texas Success Initiative (TSI).



# FINANCIAL AID

## 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 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 Financial Aid Application 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<sup>st</sup> 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 or state funded financial aid.

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

## 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**

Scholarships are gift aid that do not have to be repaid. The basic criterion for scholarship eligibility is academic success, although some scholarships also consider financial need or other qualities. Scholarships are often provided through the generosity of persons who have chosen to aid students through the establishment of an endowed scholarship or annual scholarship and eligibility for scholarship awards may be based on criteria outlined by the donor at the time the gift was made. The University of Texas of the Permian Basin encourages students to apply for scholarship assistance through all sources available to achieve the best results. Assistance from U. T. Permian Basin may be in the form of an institutional award such as the Presidential Plus, Presidential, Transfer Merit, 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.

## **Top 10% Scholarship**

Typically, if funding is available, qualifying students who submit the Free Application for Federal Student Aid (FAFSA) or the Texas Application for State Financial Aid (TASFA) by a specific deadline (set by the Texas Higher Education Coordinating Board each year), have financial need, and enroll fulltime in a Texas public college or university in the fall semester may be eligible to receive up to \$2,000.

To be eligible students must be Texas residents, register for Selective Service, complete a FAFSA and demonstrate financial need as determined by the FAFSA, complete a recommended or distinguished achievement high school curriculum, rank in the top 10% as of the semester of admittance, and graduate from an accredited high school in Texas, enroll fulltime.

## **Grants**

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).

## **Federal Pell Grant Program**

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.

- **Federal Supplemental Educational Opportunity Grant Program**

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.

- **Texas Public Educational Grant Program**

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

- **Texas Grant Program**

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.

## **Hazlewood Act**

The Hazlewood Act for Texas Veterans was established by the Texas State Legislature. It is a tuition and fees waiver program to assist Texas veterans who have exhausted their eligibility for education benefits under the G.I. Bill and are not eligible for Federal Title IV grants. 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 Hazlewood Act and other eligibility criteria.

## **Student Loans**

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.

### **Federal Direct Loan Program**

The Federal Subsidized Loan 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 Federal 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.

To qualify for loans, students must complete their entrance counseling, Master Promissory Note (MPN), and accept the loan amount. You have the right to accept all or a portion of your loans. Students or parents wishing to cancel loans or disbursements must complete the Cancellation Notice available in the Office of Student Financial Aid within 14 days of receiving their loan disbursement notice.

### **Be On Time Loans (BOT)**

The purpose of the Texas B-On-Time Loan program is to provide eligible Texas students no-interest loans to attend colleges and universities in Texas. If the student meets specified goals, the entire loan amount can be forgiven upon graduation. The Office of Student Financial Aid will determine if you are eligible.

### **Teach for Texas Financial Assistance Program**

The Texas Higher Education Coordination Board administers a loan repayment program for teachers certified in fields in which there is a critical shortage of teachers, who take jobs as classroom teacher in those fields in Texas. Details about this program are found in Texas Education Code, Subchapter O, Section 56.351 – 56.355, and additional information may be obtained by contacting the Office of Financial Aid.

### **Student Job Programs**

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).

### **Federal Work-study Programs**

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 need-based 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.

## **Student access to work study jobs**

Students can access a list of work-study positions or apply for them online at the Career Services website. Go to the University website [www.utpb.edu](http://www.utpb.edu), then locate Career Services (under Student Services), and then search the available list for current work study jobs.

## **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.

## **Regular Student Employment**

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.

## **Satisfactory Academic Progress**

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.

## **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.

## **Quantitative Academic Progress**

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.

## **Completion of Attempted Hours**

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

Federal Title IV regulations specify that developmental courses may be included as funded hours for financial aid. These courses are numbered 0398, 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 0398, 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.

### **Failure to Make Satisfactory Academic Progress**

Student Academic Progress will be checked twice a year. Progress will be checked at the end of the fall semester. Students who are found to not be making progress either for qualitative or quantitative reasons will be put on Financial Aid Warning. Students with a warning status will not have their aid suspended and will be allowed to receive aid for one additional semester. At the end of the spring semester academic progress will be checked again.

All students who are on Financial Aid Warning, and have not met the minimum requirements for academic progress will be put on financial aid suspension.

These students will not be eligible to receive aid until they have successfully met the academic progress standards.

### **Appealing Financial Aid Suspension**

Students who have lost eligibility to receive financial aid as a result of Financial Aid Suspension must attain the minimum standards of satisfactory academic progress before becoming eligible to receive 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 Financial Assistance Committee for a review of the decision. The appeal must be submitted in writing and include in the request an explanation and, if necessary, documentation of the reason(s) why the minimum academic standards required by this policy were not achieved. The appeal must also include a statement regarding how the problem has been corrected and how the student plans to ensure that progress will be met in the future.

If the Financial Assistance Committee believes that it is possible for the student to meet the standards for academic progress in one semester, the committee can grant the appeal. However if the student does not meet the standards for academic progress in that semester, their aid will be suspended until they do make academic progress.

The Financial Assistance Committee can also approve an appeal based on a requirement that the student be placed on an academic plan. The academic plan will clearly outline what steps a student must take in order to make academic progress. As long as the student is following the plan, they will be considered to be making academic progress. If a student's appeal is granted and they are not required to be placed on an academic plan, but the student does not make progress, they will have their aid suspended. The student cannot appeal their suspension again until after one semester of being on suspension. After their suspension period the student can appeal and the Financial Assistance Committee can either grant their appeal again, or require them to be put on an academic plan. The student will be notified by the Director of Student Financial Aid in writing of the committee's decision.

### **Return of Title IV Funds**

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 (i.e. receives all failing grades in the semester) 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.

### **Texas Higher Education Coordinating Board Assistance**

The Texas Higher Education Coordinating Board administers various tuition assistance programs, including programs for teachers and vocational nursing students. Further information may be obtained by contacting the Coordinating Board.





# REGISTRATION AND STUDENT RECORDS

Students who are officially admitted to the University may register for courses. Prior to each academic semester, a registration period is held. Students may find information on registration dates and the dates of other transactions that affect them in the Schedule of Classes or you may also seek information on the web at [www.utpb.edu](http://www.utpb.edu)

## Registration Process

### Who can Register for classes?

Any student who is currently enrolled or who has been accepted into the University.

If you have been away from UT Permian Basin more than a year or you are new to the University, you must reapply or apply prior to any registration. Once you have been accepted you may proceed to the registration process.

### What do I need to do before I register?

You must set a time to meet with an academic advisor so that you are cleared to register.

**Where do I register for classes?** Student may register on the web through the Campus Connect secured portal or they may register at the Office of the Registrar located in Mesa Building first floor room 1231.

**When can I register ?** Everyone wanting to register should seek information about Registration dates on the website [www.utpb.edu](http://www.utpb.edu) or view the current 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 registered 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 so 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) if they have not completed 24 college credit hours prior to enrolling. Freshmen who are seeking an exemption from the Freshman Seminar should ask at the orientation session or a time prior to enrolling in classes.

## Early Registration

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 campus posters, signs and website.

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 page 31 of this 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.

### **New student ( transfer and former students)**

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 beginning of classes only if they have been admitted or readmitted. This registration period is provided to allow students sufficient time 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](http://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 clearance from their academic advisor. In addition, a student account 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 Basin has chosen to use the THEA (Texas Higher Education Assessment) [formally 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 contact the PASS Office (432) 552-2630 for testing information.

## Minimum Passing Standards

The tests and minimum passing standards to enroll in freshman-level coursework are:

- ACCUPLACER: Elementary Algebra – 63; Reading Comprehension – 78; Written Essay – 6 OR [Written Essay – 5 and Sentence Skills – 80]
- ASSET: Elementary Algebra -38; Reading Skills – 41; Written Essay – 6 OR [Written Essay -5 and Writing Skills (multiple choice) – 40]
- COMPASS: Algebra – 39; Reading Skills – 81; Written Essay – 6 OR [Written Essay – 5 and Writing Skills (multiple choice) – 59]
- THEA: Mathematics – 230; Reading – 230; Writing – 220

## Exemptions

- A student is considered TSI Exempt and will not be required to test if they meet one of the following:
  - ACT: a composite score of 23 with a 19 on both the math and English sections;
  - SAT: a combined score of 1070 with a 500 on both the math and verbal sections
  - TAAS (exit-level): a TLI math score of 86, a TLI reading score of 89, and a writing score of 1770.
  - TAKS (exit-level): a minimum of 2200 on the mathematics section and/or a minimum of 2200 with a writing subscore of at least 3 in the English/Language Arts (ELA) section. A plus (+) sign next to the score of the section will indicate that the score will exempt the student from TSI requirement for that section; example (Math 2235+) will exempt the student from the Math TSI requirement.

TAKS and TAAS scores are valid for three (3) years from the date of testing. SAT and ACT scores are valid for five (5) years from the date of testing.

- A student who has graduated with an associate or baccalaureate degree from an institute of higher education within the state of Texas.
- 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.
- A student who has previously attended any institution and has been determined to have met readiness standards by that institution.
- A student who is enrolled in Level-One certificate program.
- A student with qualifying military service.
- Non-degree-seeking or non-certificate-seeking students.

## Developmental Courses

Unless exempt, a student who fails an approved TSI exam must register for the appropriate developmental course. It is the student's responsibility to provide official scores to the Office of Admissions in order to qualify for an exemption prior to enrollment or expiration of those scores. Additional information concerning TSI, or a list of further exemptions, may be obtained by contacting the Office of the Registrar.

No student may withdraw from a developmental course unless the student is withdrawing from the University. Students will be permitted to withdraw from these courses only if they retake and pass the appropriate THEA section during the semester. Students who fail any portion on the second attempt

may be permitted to enroll in a course approved by the Coordinating Board in an attempt to earn a grade of "C" or better. Students who earn a "C" or better in appropriate course will be considered to have satisfied the TSI requirement.

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

- Writing: ENGL 1301 (Composition I); or ENGL 1302 (Composition II).
- Reading: HIST 1301, 1302 (U.S. History); ENGL 2321, 2322, 2323 (British Literature); ENGL 2331, 2332, 2333 (World Literature); ENGL 2326, 2327, 2328 (American Literature); PSYC 2301 (General Psychology); or GOVT 2301, 2302, 2305, 2306 (American Government).
- Mathematics: MATH 1314 (College Algebra); MATH 1332, 1333 (College Mathematics); MATH 1316 (Plane Trigonometry) or a more advance mathematics course for which any of the above are prerequisites.

Courses numbered 0398, 0399 are developmental in content. These courses may be required of students who do not pass all portions of the TSI exam or whose institutional placement test scores indicate a need for developmental preparation. Developmental courses do appear on the student's transcript, but do not provide credit toward a degree. Students receiving financial aid should consult the Office of Student Financial Aid concerning the effect of developmental coursework on academic progress.

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

## Placement Testing

- 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. For additional information, contact the Math & Science Center at (432) 552-3350 or MB 4180A.
  - Scoring the Placement Test
    - 0-6 points = MATH 0398
    - 7-16 points = MATH 0399
    - 17 and up = MATH 1332 or MATH 1324
- Writing placement testing is required for all students needing ENGL 1301 (approximately 1½ hours to complete). Students who fail their test are placed in ENGL 0399 (remedial course). For additional information, contact the Writing Center at (432) 552-2302 or MB 2100.
  - Scoring the Placement Test
    - 2-3 points = ENGL 0399
- Freshmen are required to take the assessment instrument before they may register. Students who have sufficiently high score are exempt from the Reading Placement test. Students whose assessment scores are not high enough must register for remedial course in the area they did not

meet the standard score. 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

e-mail E-Advisor@utpb.edu if their help is needed. 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.

## **Auditing (Class Non-credit course registration)**

U. T. Permian Basin allows a person 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 but are not required to complete work outside the classroom or sit for exams. The fee for auditing a course is \$35 per credit hour 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. Student may not audit contract study, self-paced, thesis, and 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.

## **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 fewer 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.

## **Enrollment Verification**

A student may request the Office of the Registrar to report to an outside agency their official enrollment status for a current term. Enrollment certification or verification must be requested by the student and will be processed after the official census date of the current term.

## **Requests for Access to Student Records**

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. Individuals are informed of their rights under these laws through this policy which is included in The University Handbook of Operating Procedures and Catalog Release of Information.

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 a 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 student 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;
- to a parent of a student regarding the student's violation of any Federal, State, or local law, or of any University rule or policy, governing the use or possession of alcohol or a controlled

substance if the University determines that the student has committed a disciplinary violation with respect to that use or possession and the student is under the age of 21 at the time of the disclosure to the parent.

The University will release information in student education records to appropriate University officials as indicated in (15.111) above when such records are needed by administrators, faculty, or staff in furtherance of the educational or business purposes of the student or University.

A record of requests for disclosure and such disclosure of personally identifiable information from student education records shall be maintained by the Registrar for each student and will also be made available for inspection pursuant to this policy. If the institution discovers that a third party who has received student records from the institution has released or failed to destroy such records in violation of this policy, it will prohibit access to education records by that third party for five (5) years. Respective records no longer subject to audit nor presently under request for access may be purged according to regular schedules.

## **Directory Information**

At its discretion, the University may release Directory Information which shall include:

- name, address, telephone number
- place of birth
- major field of study
- participation in officially recognized activities and sports
- dates of attendance
- most recent previous education institution attended
- student classification
- enrollment status (full-time, part-time, undergraduate, graduate, etc)
- degrees and awards
- date of graduation
- physical factors (height and weight) of athletes

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, the first 4 class days of a summer semester, or the first three days of any quarter. Request for non-disclosure will be honored by the institution 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.

## **Access to File**

Upon written request, The University shall provide a student with access to his or her educational records. The Vice President for Student Services has been designated by the institution to coordinate the inspection and review procedures for student education records, which include admissions files and academic files. The Vice President for Business Affairs has been designated by the institution to coordinate the inspection and review procedures for student financial files. Students wishing to review their education records must make written requests to the Vice President for Student Services listing the item or items of interest. Students wishing to review their financial files must make written requests to the Vice President for Business Affairs listing the item or items of interest. Education records covered by

the Act will be made available within 45 days of the request. A list of education records and those officials responsible for the records shall be maintained at the Registrar's Office. This list includes:

#### **Academic Records**

Registrar's Office (Admissions/Registrar): College, Division, Department and Faculty Offices

#### **Student Services Records**

Student Activities Office: Director of Student Activities

Student Services: Vice President for Student Services

#### **Financial Records**

Business Office: Vice President for Business Affairs

Financial Aid Office: Director of Financial Aid

Educational records do not include, subject to specific limitations of FERPA regulations (34 CFR Part 99):

- financial records of student's parents or guardian;
- confidential letters of recommendation which were placed in the educational records of a student prior to January 1, 1975 and confidential letters and confidential statements of recommendation placed in the student's education
- records after January 1, 1975, if the student has waived, in writing, his or her right to inspect and review these letters and statements and those letters and statements are related to the student's admission to the University,
- application for employment, or receipt of an honor or honorary recognition.
- records of instructional, administrative, and educational personnel which are kept in the sole possession of the maker and are not accessible or revealed to any other individual except a temporary substitute for the maker;
- records of law enforcement units;
- employment records related exclusively to an individual's employment capacity;
- medical and psychological records;
- thesis or research papers, which may be made available to interested members of the public; or
- records that only contain information about an individual after the individual is no longer a student at the institution.

#### **Challenge to Record**

Students may challenge the accuracy of their educational records. Students who believe that their educational records contain information that is inaccurate or misleading, or is otherwise in violation of their privacy may discuss their problems informally with the Registrar. If agreement is reached with respect to the student's request, the appropriate records will be amended. If not, the student will be notified within a reasonable period of time that the records will not be amended, and they will be informed by the Vice President for Student Services of their right to a formal hearing.

Student requests for a formal hearing must be made in writing to the Vice President for Student Services who, within a reasonable period of time after receiving such requests, will inform students of the date, place and the time of the hearing. Students may present evidence relevant to the issues raised and may be assisted or represented at the hearings by one or more persons of their choice, including attorneys, at the student's expense. The hearing officer that will adjudicate such challenges will be appointed by the Vice President for Student Services in non-academic matters and by the Provost and Vice President for



Academic Affairs in academic matters. Decisions of the hearing officer will be final, will be based solely on the evidence presented at the hearing, will consist of the written statements summarizing the evidence and stating the reasons for the decisions, and will be delivered to all parties concerned. The education records will be corrected or amended in accordance with the decision of the hearing officer, if the decision is in favor of the student. If the decision is unsatisfactory to the student, the student may place with the education records statements commenting on the information in the records or statements setting forth any reasons for disagreeing with the decision of the hearing officer, or both. The statements will be placed in the education records, maintained as part of the student's records, and released whenever the records in question are disclosed. Students who believe that the adjudications of their challenges were unfair or not in keeping with the provisions of the Act may request in writing, assistance from the President.

### **Copies**

Students may have copies of their educational records and this policy. These copies will be made at the student's expense at rates authorized in the Texas Public Information Act except that official transcripts will be \$7.00 charged at the current rate approved as a university fee. Official copies of academic records or transcripts will not be released for students who have a delinquent financial obligation or financial "hold" at The University.

### **Complaints**

Complaints regarding alleged failures to comply with the provisions of the FERPA may be submitted in writing to the Family Policy Compliance Office, U. S. Department of Education, 400 Maryland Avenue SW, Washington, D.C. 20202-5920.

### **Notice:**

Students are advised that research papers authored by undergraduate students may be made available to interested members of the public.

### **Graduation**

Students that are intending to graduate must do so in the allowable time given at the beginning of each semester. The Office of the Registrar provides students with a graduation packet. Student graduation packets will have all necessary materials for applying to graduate for a given semester. It is the responsibility of the student to initiate an official intention to graduate with the office of the Registrar. The Schedule of Class provides a student with deadline dates and commencement dates. Students are encouraged to meet with academic advisor to discussion their degree plan prior to any registration period. For information on graduation please see the Schedule of Class or you may seek additional information at the Registrar webpage at [www.utpb.edu](http://www.utpb.edu) click on quick link : Registrar

## **Graduating with Latin Honors**

In order for a student to be eligible for Latin Honors, students must be receiving their first bachelor's degree, must have completed a minimum of 48 hours at UT Permian Basin and a minimum cumulative grade point average of 3.50. This distinction is given to undergraduate students only and not intended for a post graduate student.

## **Graduation Ceremonies**

Commencement ceremonies are held three times during an academic year at the end of fall, spring and summer semesters. Students who have completed degree requirements for their respective degree program are encouraged to file their intent of graduation in the allotted time given during each semester. Information about deadlines for applying to graduate are published in the Schedule of Classes and on the UT Permian Basin website.

## **In-Absentia**

A candidate for a degree who has completed all the courses and other requirements for graduation and who must register with 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.

## **Adds**

Adding courses is an option to students the first twelve class days of the Fall and Spring semesters (four class days in the summer). Student must initiate an addition or change to their schedule during the time given on the academic calendar.

## **Drops**

Dropping courses should not be confused with withdrawing from all courses. In courses taught on a conventional basis, a student may drop the course on or before 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. Students may drop courses without permission of the instructor during the first twelve class days in the fall and spring semester or first four class days in summer semester.

Students must obtain the signature of the instructor whose course they are dropping if they drop the course on or between the (12th class day for spring or fall semester and fourth class day in the summer semester) and the last day to drop classes as given on the academic calendar for each fall and spring semester. Student may drop a class after the last date or drop only with permission of their Dean, Department Chair, and Academic Advisor.

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. Drop forms must be completed at the Registrar's Office prior to the end of the last day to drop. Failure to drop a class which is not being attended will result in a failing grade on the academic record. Students enrolling late in a course should not expect special make-up assistance from the instructor.

### **Six drop rule**

Students who enrolled in a Texas public institution of higher education as first-time freshman in the Fall 2007 and thereafter are not permitted to drop more than six course during their entire undergraduate career, (Texas Administrative Code 4.10) This limit includes all transfer work taken at a Texas institution of higher education. Any courses dropped prior to the census class day will not be considered attempted hours. Students that transfer from a private or out-of-state institution are not subject to this rule.

### **Withdrawal**

Withdrawing is defined as a student who requests to withdraw from all classes currently enrolled. Students are required to complete a withdrawal form from the Registrar's Office and obtain the signatures of the Accounting 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. In addition an administrative withdrawal can be processed in a situation in which an active duty member of the US armed forces is called to duty. The student must provide documents stating the official date to report to duty. A student who is withdrawing as result of military service may choose the following (1) receive a refund of tuition and fees, (2) if eligible, be assigned an incomplete (I) ; or (3) at the institution's discretion, receive a final grade in course where substantial amount of coursework has been completed and mastery of the material is demonstrated. A complete withdrawal form must be submitted to the Office of the Registrar prior to the final date to withdraw. Students should consult the academic calendar for the last day to withdraw from the University. A withdrawal request after the last date to withdraw must be processed via an Academic Petition Form and be approved by the academic advisor of the student and the chair of the department. Failure to withdraw from the University will result in a failing grade on the academic record for all classes which the student never attended or stopped attending. A withdrawal request becomes effective the date the completed and signed form is received from the student by the Registrar's office. Students should consult the Refund of Tuition and Fees Policy in the Regulations on Tuition and Fees section of this catalog to determine if they are entitled to a refund upon dropping a class or withdrawing from the University see page 48.

### **Residency**

The Registrar has been designated as the Residence Determination Official for the University. The official will make the determination of a student's residence status based on information provided by the student on reclassification residency student packet and any additional information provided by the student.

A student has a right to apply for reclassification of residency for tuition purposes after a continuous 12 month period of living in Texas. A nonresident student may be reclassified as a resident if employment or personal factors or actions indisputably indicating a permanent intention to reside in the State. Students who would like to be reclassified are required to apply for reclassification with the Residence Determination official in the Office of the Registrar. Students must submit all required forms and any additional supporting documents for the purpose of reclassification in the allotted time of a forthcoming semester. Any reclassification materials received after the official census date (12<sup>th</sup> class day fall or spring semesters; or 4<sup>th</sup> class day in summer semester) will be processed for the next semester.

International students living in the United States under a visa permitting permanent residence, and aliens who are permitted by Congress to adopt the United States as their domicile while they are in Texas must wait a period 12 months from which their residence in United States was granted before they may apply for reclassification of in-state status.

It is the responsibility of the student to notify the University of their intent to be reclassified and to contact the Residence Determination Official (Registrar) 30 days prior to enrolling in an approaching semester.

The following student terms are used as reference terms for the purpose of residency reclassification:

### **Independent Student (Texas Resident)**

A student who is considered an independent individual who is 18 years of age or older who moves to the state of Texas and is gainfully employed in Texas for 12 months prior to enrolling in an institution of higher education is entitled to a residency status of in-state, unless the individual is in Texas for some purpose other than establishing residence in the state. A student who enrolls prior to having lived in Texas 12 month will be classified as a non-resident student.

### **Dependent Student**

Students who are claimed as dependents on their parent's/legal court appointed guardian's income tax and provide the sufficient documentation to support the residency claim of the parent. A parent or legal court appointed guardian will need to provide their residency in Texas in support of the dependent student.

Residency reclassification forms can be accessed by visiting the office of the Registrar or you may print those from our webpage at [www.utpb.edu](http://www.utpb.edu) at quick link: REGISTRAR

Students may access the Texas Higher Education Coordinating Board's for rules governing Texas Residency at the following web site: [www.theccb.state.tx.us/cbrules](http://www.theccb.state.tx.us/cbrules)

### **Schedule of Classes**

A schedule of classes is printed prior to each enrollment period. Students will have the opportunity to view all available courses being offered for a forthcoming semester. The schedule of classes not only provides students with information on registration but additional information needed by students, such as dates and times of courses, registration dates, semester calendar , advising information, financial aid information and location of courses. The University also provides this information online on the official UTPB website: [www.utpb.edu](http://www.utpb.edu)

### **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. For information of class times, please see the Schedule of Classes printed version or web schedule.

## **Transcript**

Transcripts of grades earned at U.T. Permian Basin are available in the Office of the Registrar. The Family Education rights and Privacy Act requires that the student sign all transcript requests and releases. For details on obtaining your transcripts please contact the Office of the Registrar at 552-2635. Students will be responsible for all fees related to obtain their official copy of a university transcript.

## **Veterans Education Benefits**

In compliance with United States Department of Veteran Affairs, the University processes necessary procedures to aid veteran students in receiving Veteran Education Benefits. An official education certifying officer processes the applications and forms needed to certify the attendance of a veteran student at the University. Veteran students seeking additional information may contact the designated education certifying officer or you may seek veteran information at [www.gibill.gov](http://www.gibill.gov)



# TUITION, FEES AND DEPOSITS

## **Residency for Tuition**

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 Residence Determination Official (Registrar).

Under state statutes and Texas Higher Education Coordinating Board rules and regulations interpreting those statutes, Title 19, Chapter 21, 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 student. 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. Students may access the Texas Higher Education Coordinating Board's rules at the following web site: [www.theccb.state.tx.us/cbrules](http://www.theccb.state.tx.us/cbrules)

For further information on reclassification or Residency issues please see Registration section subsection Residency Reclassification page 42.

## **Reclassification for Tuition purposes**

A student has a right to apply for reclassification of Residency for tuition purposes after a continuous 12 month period of living in Texas. A nonresident student may be reclassified as a resident if employment or personal factors or actions are indisputably indicating a permanent intention to reside in the State. Students are required to apply with the Residence Determination official in the Office of the Registrar. For further information on reclassification please see Registration section subsection Residency Reclassification page 39.

## **Responsibility of Student**

If there is any question as to residence status it is the student's responsibility, 30 days prior to 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 or

Residence Determination Official 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.

## Exemptions and Waiver Programs

Students who do not qualify for in-state may have the opportunity for state available exemption and waiver programs. Students are advised to seek information about these programs with the office of accounting. Student requesting to be reclassified as Texas resident status may contact the Residency determination official (Registrar)

### Exemption/Waiver programs for Tuition and fees-

Adopted Students Formerly in Foster or Other Residential Care
Blind/Deaf Student Exemption Program
Children of Disabled or Deceased Firemen, Peace Officers, Game Wardens, and Employees of Correctional Institutions
Early High School Graduation Scholarship: On or after 9/01/05-Prior to 9/01/05
Exemption Program for Children of Professional Nursing Program Faculty and Staff
Exemption for Clinical Preceptor and Their Children
Exemption for the Surviving Spouse and Dependent Children of Certain Deceased Public Servants (Employees)
Firefighters Taking Fire Science Courses
Foster Care Program
Military: Children and Spouse of U.S. Military who are Missing in Action or Prisoners of War (MIA/POWs)
Military: Exemptions for Texas Veterans (Hazlewood Exemption)
Military: Orphans of Texas Members of the U.S. Armed Forces or National Guard
Military: Texas National Guard Tuition Assistance Program
Senior Citizen, 65 or Older, Free Tuition for 6 Credit Hours

**Specific details about these exemptions can be found at the [www. Collegefortexans.com](http://www.Collegefortexans.com) website** If you have any questions about whether you qualify for these exemptions you may contact the Registrar (Residency Determination Official) at 432-552-2635.

\*\*\*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.

### Texas Tuition Rebate

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.

### Notification

Student will be given a bill, via printed format or via online format of tuition charges. This will include the amount of his/her tuition payment that is required to be set aside to provide financial assistance for the students enrolled at the institution.



## Payment of Tuition and Fees

Tuition charges at Texas state universities are established by state law. The State of Texas 78<sup>th</sup> 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 \$25 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.

## Changes to tuition and fees

Tuition and fees are subject to change by legislative or regental action and become effective on the date enacted. The Texas Legislature does not set the specific amount for any particular student fee. The student fees assessed above 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.

## Excess hours

As authorized by state law, a student who pays resident tuition rates and who attempts hours that exceed a designated limit will be charged a higher tuition rate of \$325 per semester credit hour or nonresident tuition rates. The designated limit for a student who initially enrolled in an institution of higher education in Fall 1999 through Summer 2006 is 45 credit hours beyond the required hours for the student's declared degree program. The designated limit for a student who initially enrolled in an institution of higher education in Fall 2006 or later is 30 credit hours beyond the hours required for completion of the student's degree program.

The following semester credit hours are not included in the calculation:

- semester credit hours earned by the student 10 or more years before the date the student begins the new degree program under the Academic Fresh Start Program of the Texas Education Code, § 51.931;
- hours earned by the student before receiving a baccalaureate degree that has previously been awarded to the student;
- hours earned by the student by examination or similar method without registering for a course
- hours from remedial and developmental courses, workforce education courses, or other courses that would not generate academic credit that could be applied to a degree at the institution if the course work is within the 27-hour limit at two-year colleges and the 18-hour limit at general academic institutions;
- hours earned by the student at a private institution or an out-of-state institution; and
- hours not eligible for formula funding.

For more information contact the Registrar Office at (432) 552-2635

## Three-peat charge

A student whose hours may no longer be submitted for formula funding because it is the same or substantially similar to a course that the student previously attempted for two or more times at The University of Texas of the Permian Basin will be charged a higher tuition rate of \$ 417 per semester credit hour or nonresident tuition rates.

## Summary Descriptions of Required Tuition and Fees

Name of	Classification	Residency	Amount	Notes
<b>Undergraduate</b>				
In-state		Resident	\$159.25/sch	Set by Legislature and Board of Regents (Texas Education Code 54.0512 and 54.0513).
New Mexico		Non-Resident	\$189.25/sch	Set by Texas Higher Education County Not adjacent to Texas Coordinating Board per Statutory Requirement.
New Mexico		Non-Resident	\$159.25/sch	Set by Texas Higher Education County adjacent to (Texas adjacent county waiver program)
Out-of -State		Nonresident	\$469.25/sch	Set by Texas Higher Education Coordinating Board per Statutory Requirement.
<b>GRADUATE</b>				
In-state		Resident	\$181.25/sch	Governing board may set at twice statutory rates for undergraduate programs.
New Mexico		Resident	\$477.25/sch	Set by Texas Higher Education Coordinating Board per Statutory Requirement.
New Mexico		Non-Resident	\$181.25/sch	Set by Texas Higher Education County adjacent to Texas Coordinating Board per Statutory Requirement. (adjacent county waiver program)
Out-of-State		Nonresident	\$425/sch	Set by Texas Higher Education Coordinating Board per Statutory Requirement.
<b>Required Fees:</b>				
Advising Fee	All Students		\$10/sem	A <b>non-refundable</b> , compulsory fee to defray costs of student advising.
Athletic Fee	All Students		\$12/sch	A fee to support the intercollegiate athletics program.
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.
Energy Fee	All Students		\$3.40/sch	A fee to defray energy costs
Matriculation Fee	All Students		\$15/sem	A <b>non-refundable</b> fee will be withheld from tuition refunds if a student withdraws before the first day of class.
Medical Service Fee	All Students		\$13.30/sem	A compulsory fee to provide \$5/summer medical services for students at the contract facility with a \$10 co-pay.
Orientation	All Students		\$75	A <b>non-refundable</b> , one time, compulsory fee to defray Transfer/\$15 orientation costs.
Student Services Fee	All Students		\$13.50/sch	A compulsory fee to fund student services and operation max.-\$250 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.
Student Multi-Purpose Center Fee	All Students	\$150.00/sem	A fee to finance, construct, operate, and maintain a Student Multi-Purpose Center
<b>Incidental Fees:</b>			
Audit Fee	Students desiring to audit		\$35/credit hour of course plus lab fee where applicable To defray costs incurred in scheduling non-credit participants in scheduled classes.
Credit by Students		\$40/class	To defray cost of processing credit by examination. Examination desiring credit by exam
Student ID Fee	All Students	\$10/student ID	A fee to defray the cost for the student identification card.
Variety	All Student	Variable	For specific services such as late registration, library fines, microfilming fees, bad check charges, application
<b>Laboratory Fees:</b>			
Variety	All Student	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.
<b>Supplemental Fees:</b>			
Variety	All Students	Variable	Charges in addition to regular tuition for students registered in art, architecture, drama, speech, or music where individual coaching or instruction is the usual method of instruction.
<b>Voluntary Fees:</b> All students desiring the specific service may include such items as parking fees, yearbooks, locker.			
<b>LIST OF FEES:</b>			
<b>Add/Drop Fee.</b> To defray costs incurred when a student adds or drops a course or courses, a \$5 per transaction fee will be assessed.			
<b>Advising Fee.</b> To defray costs of student advising, a charge of \$10 per student per semester will be assessed. <b>THIS IS A NON-REFUNDABLE FEE.</b>			
<b>Athletic Fee.</b> To support the intercollegiate athletics program, a \$12 per semester credit hour fee will be assessed.			
<b>Audit Fee.</b> To defray administrative costs incurred in scheduling non-credit participants in scheduled classes, a \$35 per credit hour of class without a lab and a class with a lab will be assessed the same amount plus the lab fee.			
<b>Book Locker Fee.</b> Students using book lockers will be charged a fee of \$20 per year, \$14 per semester, or \$11 for the summer session.			
<b>Book Locker Key Replacement Fee.</b> To defray costs of key & lock replacement, a \$15 fee will be charged for book locker key replacement.			
<b>Computer Printing Services Fee.</b> 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.			

<b>Credit by Examination Fee.</b> To defray cost of processing credit by examination, a \$40 fee will be charged.
<b>Distance Education Fee.</b> To defray the costs associated with providing materials, services and instructional support for Distance Education courses, a \$55 per credit hour will be charged.
<b>Duplicate Fee Receipt.</b> 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.
<b>Education Seminar Course Fee.</b> To defray costs of a diagnostic test kit, a \$25 fee will be charged.
<b>Education Field-Based Instruction Fee.</b> A \$10 per course fee will be charged to recover travel costs in certain field-based educational courses.
<b>Education Internship Fee.</b> Student interns are assessed a \$50 fee to cover administrative and travel expenses associated with providing supervision for teaching internships in Education 4692.
<b>Education Internship: Diagnostician Course Fee.</b> To defray costs of a diagnostic test kit, a \$25 fee will be charged.
<b>Education Learning Theory and Assessment Course Fee.</b> To defray costs of a diagnostic test kit, a \$25 fee will be charged.
<b>Education Practicum: Reading Course Fee.</b> To defray costs of a diagnostic test kit, a \$25 fee will be charged.
<b>Education Reading Diagnostic/Remediation Course Fee.</b> To defray costs of diagnostic tests, a \$25 fee will be charged.
<b>Education Student Teaching Course Fee.</b> 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.
<b>Fax Fee.</b> A charge of \$5 per page will be assessed to defray administrative costs of faxing student documents from the Registrar's Office.
<b>Geology Field Course Fee.</b> A \$650 fee will be charged for the GEOL 4600 Field Geology course.
<b>Graduation Fee.</b> A graduation fee of \$25 is charged to students who apply to graduate. Students should notify the Registrar's Office 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 12 <sup>th</sup> 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. <b>THIS IS A NONREFUNDABLE FEE.</b>
<b>Health Insurance Fee.</b> 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.
<b>In-Absentia Fee.</b> 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 \$50 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.

Printer Cards:	Cards of various denominations. Starting at \$1 at a rate of \$.05/page.
Damaged Book:	\$7.50 if the book can be repaired. cost of book plus \$15 processing fee if the book cannot be repaired \$50 plus \$15 processing fee if the book cannot be replaced.
Info Express	\$5 per item +.15 per page over 50 pages.
(Document Delivery)	\$10 per item + .25 per page over 25 pages.
Interlibrary Loan:	\$1.50 computer charge plus supplier and handling costs; \$5/Rush.
Library Fax:	\$1/ + .20 per page over 3 pages (Domestic) \$5/ + full cost of all telecommunication and other charges (International).
Lost Book:	Replacement cost plus \$15 processing fee. \$50 plus \$15 processing fee if book volume cannot be replaced. \$25 per item for materials from the curriculum collection plus \$15 processing fee. \$125 per item for reference volumes plus \$15 processing fee. \$100 per microform volume equivalent plus \$15 replacement fee. The replacement fee will be credited automatically when an overdue item is returned in good condition.

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:	\$13.30
Summer Semester:	\$ 5.00

**Orientation Fee.** A compulsory fee for all students of \$75, 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:	\$45 per year
Additional Parking Permit Fee:	\$ 7
Two-wheel vehicles (motorcycles, motor scooters, motorbikes):	\$45 per year
<b>Contingent on Board of Regents approval the rates may be increased.</b>	
<u>Enforcement Fees</u>	
Parking Violations:	\$10-\$35 for each offense; depending on type of offense
Moving and non-moving violations:	\$30-\$100/each
Failure to pay an assessed fee within 10 calendar days of receiving the citation will result in a \$3.00 late charge.	

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

**Property Deposit.** A \$20 property deposit shall be collected from each student. The deposit shall be

returned on the withdrawal or graduation of the student who so requests, less any loss, damage, or breakage caused by the student. Any **deposit** which remains without call for a refund for a period of four years from last attendance shall be forfeited.

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

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

**Student Services Fee.** The Student Services fee is compulsory for all students. The amount charged is \$10.50 per semester credit hour. The maximum Student Services fee per semester is \$250.00. Students who register for the summer session are charged on the same basis as students registered during the regular academic year. The fee provides funding for extracurricular activities and events designed to augment student life at U. T. Permian Basin and reservation privileges at the gymnasium.

Students registered in absentia are not eligible to participate in student services and programs unless the regular fees are paid. The Student Handbook publishes the available programs, activities and services that the fee provides. This handbook is available at registration or from the Office of Student Life.

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

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

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

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

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

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

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

**Cost of tests:**

- 1) College Level Examination Program Fee (\$44)
- 2) Quick Texas Academic Skills Program (THEA)  
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 \$7 for each University transcript ordered to defray costs of retrieving, duplicating, and mailing transcripts. Additional Fees for Faxing processing and Express delivery charges may incur.

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

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

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

## Sample of total tuition and fee charges for a semester

Fall 2011

**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 web at [www.utpb.edu](http://www.utpb.edu) on the tuition and fee tables.

Name of Charge	Undergraduate		Graduate	
	12 sch	15 sch	3 sch	9 sch
<b>Resident Tuition (1)</b>	1911.00	2388.75	543.75	1631.25
<b>Add: Required Fees</b>				
Student Services Fees	162.00	202.50	40.50	121.50
Library Service Fee	36.00	45.00	9.00	27.00
Athletic Fee	144.00	180.00	36.00	108.00
Student Union Fee	35.00	35.00	35.00	35.00
Student Multi-Purpose Center	150.00	150.00	150.00	150.00
Advising Fee	10.00	10.00	10.00	10.00
Technology Fee	60.00	75.00	15.00	45.00
Medical Service Fee	13.30	13.30	13.30	13.30
Energy Fee	40.80	51.00	10.20	30.60
<b>Subtotal - Required Fees</b>	<b>2562.10</b>	<b>3150.55</b>	<b>862.75</b>	<b>2171.65</b>
<b>Add: Average for college and course related laboratory, incidental and supplemental fees and/or optional student services fees (3)</b>				
	15.00	15.00	15.00	15.00
<b>Total Charges (4)</b> (Tuition plus subtotal-required average for college and course related fees and/or optional student services fees)	<b>2577.10</b>	<b>3165.55</b>	<b>877.75</b>	<b>2186.65</b>

(1) At the time this catalog is going to print, tuition changes are under consideration by the State of Texas Legislature and the

(2) 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 \$75.00 for all students is charged for providing a new student orientation prior to registration. These amounts are not included in the totals.

# Programs Assisting Student Study

## **P.A.S.S. 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 TSI 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 ACT, SAT, Quick THEA 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 tutors/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.



# STUDENT LIFE

## **Activities, Organizations, and Student Union**

The Office of Student Life, located in SAC 210, 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. For more information on any of these areas, please call us at 432-552-2651.

## **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.

## **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. Membership is not denied on any basis prohibited by applicable law, including but not limited to race, color, national origin, religion, age, veteran status, sex, or disability

### **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. 7:00 p.m. on Saturdays, and from 1:00 p.m. – 5:00 p.m. on Sundays. There are quiet study areas, a game room, meeting rooms, televisions and television rooms, and playstations in the Student Union.

### **Volunteer Center**

The Volunteer Center serves as a clearing house for volunteerism and service to the UTPB community and to the communities of Odessa and Midland. The Volunteer Center Coordinator works with faculty, staff, and community agencies to provide UTPB students with opportunities for service learning experiences.



# Intercollegiate Athletics

## **Athletic Department Philosophy**

The University of Texas of the Permian Basin (UTPB) Intercollegiate Athletics Program exists to afford students the opportunity to participate in a structured program of athletics as they work toward their college degrees.

Students participating in athletics must understand that although participation in athletics can be a rewarding and memorable aspect of the college experience, earning a degree should be their primary goal. They should be committed to regular attendance, academic integrity, and the realization of their academic potential.

There are educational values to be obtained through participation in a structured program of athletics. Athletic participation shall assist in the development of the whole individual: physically, cognitively, emotionally and spiritually. Accordingly the welfare of student athletes is vitally important. UTPB student-athletes have access to health care and mental-health services as well as academic tutoring, counseling and advising as a means of contributing to their well-being and development.

UTPB student-athletes are encouraged to interact with individuals from all areas of campus in order to enhance their social development and quality of life. They are encouraged to participate in student-life programs such as the Program Board, Student Senate, intramurals, campus clubs and student housing activities as a means of interacting with individuals of various races, ethnicities and socioeconomic backgrounds.

The Athletic Department strives to offer equitable participation opportunities to men and women as it fosters acceptance and discourages discrimination of any kind. The Athletic Department will strive to achieve diversity in its Administrative, Coaching and Support Staff positions.

The Athletic Department's Administration, Coaching Staff, Support Staff and Athletes are committed to:

- Principles of sportsmanship and fair play
- Ethical activity in the areas of recruiting, athletic competition and academic achievement
- Amateurism in college sport
- Compliance with all NCAA, Heartland Conference, and University of Texas System rules and regulations

## **UTPB Athletics at a Glance**

The current athletic program was started in 1994 and is funded through student fees and public donations-state funds cannot be used. We support 13 varsity teams; nearly 300 students are involved in the athletic program as athletes, trainers and managers. Furthermore, admission to home athletic events is free to all UTPB students.

The men's sports program includes soccer, cross-country, basketball, swimming, tennis, and baseball. The women's sports program includes volleyball, soccer, cross-country, basketball, swimming, tennis, and

softball. The UTPB sports program is affiliated nationally with NCAA Division II and participates in the Heartland Conference. Heartland Conference Championships have been won by Volleyball (2008), Baseball (2009), and Men's Basketball (2011). The program awarded nearly \$360,000 in athletic scholarships in 2010-2011.

### **General Eligibility Requirements**

In order to be eligible to participate in Intercollegiate Athletics, students must meet all eligibility requirements set forth by the NCAA. 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 in following sections:

### **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 the following criteria to be eligible:

- Score at least 820 on the SAT or a total of 68 in the five sections of the ACT test taken on a national testing date.
- Complete the NCAA required core of classes
- Visit the NCAA Eligibility Center for additional information

### **Transfer Eligibility Information**

For information concerning transfer eligibility guidelines, please visit the NCAA website and review transfer regulations presented in the NCAA Transfer Guide.

### **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:**

<b>Athletic Director:</b>	Dr. Steve Aicinena	<a href="mailto:aicinena_s@utpb.edu">aicinena_s@utpb.edu</a>	432-552-2675
<b>Administrative Assistant</b>	Lisa Belue	<a href="mailto:belue_l@utpb.edu">belue_l@utpb.edu</a>	432-552-2677
<b>Athletics Compliance</b>	Brian Martinek	<a href="mailto:martinek_b@utpb.edu">martinek_b@utpb.edu</a>	432-552-3676
<b>Sports Information:</b>	Craig Merriman	<a href="mailto:merriman_c@utpb.edu">merriman_c@utpb.edu</a>	432-552-2803
<b>Athletic Training:</b>	Kaz Yanagi	<a href="mailto:Yanagi_k@utpb.edu">Yanagi_k@utpb.edu</a>	432-552-2679
<b>Baseball:</b>	Dr. Steve Aicinena	<a href="mailto:aicinena_s@utpb.edu">aicinena_s@utpb.edu</a>	432-552-2675
<b>Men's Basketball:</b>	Dwayne Osborne	<a href="mailto:Osborne_d@utpb.edu">Osborne_d@utpb.edu</a>	432-552-3677
<b>Women's Basketball:</b>	Adam Collins	<a href="mailto:Collins_a@utpb.edu">Collins_a@utpb.edu</a>	432-552-3679
<b>Men's Cross Country:</b>	Josh Caudill	<a href="mailto:caudill_p@utpb.edu">caudill_p@utpb.edu</a>	432-552-4678
<b>Women's Cross Country:</b>	Josh Caudill	<a href="mailto:caudill_p@utpb.edu">caudill_p@utpb.edu</a>	432-552-4678
<b>Men's Soccer:</b>	Dennis Peterson	<a href="mailto:peterson_d@utpb.edu">peterson_d@utpb.edu</a>	432-552-2678
<b>Women's Soccer:</b>	Dennis Peterson	<a href="mailto:peterson_d@utpb.edu">peterson_d@utpb.edu</a>	432-552-2678
<b>Softball:</b>	Angie Kenney	<a href="mailto:kenney_a@utpb.edu">kenney_a@utpb.edu</a>	432-552-2676
<b>Men's Swimming:</b>	Rob Rankin	<a href="mailto:rankin_r@utpb.edu">rankin_r@utpb.edu</a>	432-552-2335
<b>Women's Swimming:</b>	Rob Rankin	<a href="mailto:rankin_r@utpb.edu">rankin_r@utpb.edu</a>	432-552-2335
<b>Men's Tennis</b>	Steve Buck	<a href="mailto:buck_s@utpb.edu">buck_s@utpb.edu</a>	432-552-4676
<b>Men's Tennis</b>	Steve Buck	<a href="mailto:buck_s@utpb.edu">buck_s@utpb.edu</a>	432-552-4676
<b>Volleyball:</b>	Steve Aicinena	<a href="mailto:aicinena_s@utpb.edu">aicinena_s@utpb.edu</a>	432-552-2675
<b>Cheerleading:</b>	Terry Lynn Lane	<a href="mailto:legacydancecoach@yahoo.com">legacydancecoach@yahoo.com</a>	432-967-3703
<b>Dance:</b>	Jessica Hassan	<a href="mailto:zeem34@yahoo.com">zeem34@yahoo.com</a>	432-258-6186



# Student Housing



There is something for everyone!

The University of Texas of the Permian Basin offers a wide variety of options for students who are interested in living on-campus. Single students prefer the apartment style design of the efficiencies, two-bedroom, and four-bedroom apartments with laundry facilities in each building. The University also offers single and married students options in manufactured housing including efficiencies, one-bedroom, two-bedroom, and three-bedroom units with a centrally located laundry facility building for easy-access. Amenities include basic cable, internet access, full-kitchens, private bedrooms, maintenance, and campus police security. Student rental rates include the cost of electricity, water and garbage collection as well.

Student Housing is within walking distance of the University Mesa Building, the Visual Arts Building, Industrial Technology Area, Library/Lecture Center, Gymnasium, and our University Founders Building.

## Parker Ranch House



### Parker Ranch House Dedicated November 9, 2004

Permian Basin's Parker Ranch House was named by the Parker family in memory of James Early "Jim" Parker, Jr. and Bessie Ola Parker. The Parkers embodied the ranching lifestyle of generations of a family that served the communities of Andrews and Ector counties since 1907. Jim and Bessie Ola Parker weathered the Great Depression and years of drought before the Humble Oil & Refining Company discovered oil on one of their ranches, permitting them to sell the mineral rights. They had three ranches, including one in Andrews. Parker was involved in organizing the municipal structure of Andrews County in 1910. He later served as county commissioner from 1921 to 1924, established the Andrews Bank, and served as its president of its board of directors for many years.

Please visit us at [www.utpb.edu](http://www.utpb.edu) click on quick link: Housing. Contact our office for your tour or visit (432) 552-2743.

# Student Health and Safety

## Disciplinary Procedures

Students at The University of Texas of the Permian Basin maintain the rights and responsibilities of citizenship. All students are expected and required to obey federal, State, and local laws, to comply with the Regents' Rules and Regulations, with The University of Texas System and institutional rules and regulations, with directives issued by an administrative official of the U. T. System or institution in the course of his or her authorized duties, and to observe standards of conduct appropriate for an academic institution. Any student who engages in conduct that violates the fore mentioned is subject to discipline whether such conduct takes place on or off campus or whether civil or criminal sanctions are also imposed for such conduct.

The official version of the student conduct code can be found on the Dean of Student's web page within the University web pages at [www.utpb.edu](http://www.utpb.edu). The University reserves the right to restrict the enrollment of any student for disciplinary or academic reasons. According to the Regents' Rules, the Dean of Students 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.

In all cases, students are afforded due process through a meeting with the Dean of Students and/or a formal disciplinary hearing.

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.

## Grievances/Appeals

Students who have a grievance with another student, faculty or staff member are encouraged to review the procedures set out on the Dean of Student's web page on the University web pages at [www.utpb.edu](http://www.utpb.edu).

## Student Medical Plan

Students have access to medical services contracted by the University. Information about the medical services provider and the plan may be found on the University web site under Student Services.

## **Student Insurance**

Students needing health insurance may obtain information through the Student Life Office web pages.

## **AIDS, HIV, and Hepatitis B Infection Policies**

The University of the 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 which is available in the office of each school or college, the Library, most U. T. Permian Basin departments, in the Falcon Student Planner and on the internet at [www.utpb.edu](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](http://www.cdc.gov), [www.acha.org](http://www.acha.org). U.T. Permian Basin regularly informs students about this information by posting information on-line via our student registration system and posting on the back of our registration cards.

## **Hazing**

Hazing in state educational institutions is prohibited by both State Law (Sections 51.936 & 37.151 et seq., Texas Education Code) and by the Regents' Rules and Regulations (Series 50101, Section 2). Individuals or organizations engaging in hazing could be subject to fines and charged with criminal offenses. Additionally, the law does not affect or in any way restrict the right of the University to enforce its own rules against hazing.

## Individuals

A person commits an offense if the person:

1. engages in hazing;
2. solicits, encourages, directs, aids or attempts to aid another engaging in hazing;
3. recklessly permits hazing to occur; or
4. has firsthand knowledge of the planning of a specific hazing incident involving a student in an educational institution, or has firsthand knowledge that a specific hazing incident has occurred, and knowingly fails to report that knowledge in writing to the Dean of Students or other appropriate official of the institution.

## Organizations

An organization commits an offense if the organization condones or encourages hazing or if an officer or any combination of members, pledges, or alumni of the organization commits or assists in the commission of hazing.

## Definition

The term "hazing" is broadly defined by statute to mean 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 an organization. Hazing includes, but is not limited to:

- any type of physical brutality, such as whipping, beating, striking, branding, electronic shocking, placing of a harmful substance on the body, or similar activity;
- any type of physical activity, such as sleep deprivation, exposure to the elements, confinement in a small space, calisthenics, or other activity that subject the student to unreasonable risk of harm or that adversely affects the mental or physical health or safety of the student;
- any activity involving the consumption of a food, liquid, alcoholic beverage, liquor, drug or other substance that subjects the student to an unreasonable risk of harm or that adversely affects the mental or physical health or safety of the student;
- any activity that intimidates or threatens the student with ostracism, that subjects the student to extreme mental stress, shame or humiliation, 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 subdivision; and
- any activity that induces, causes, or requires the student to perform a duty or task that involves a violation of the Penal Code. The fact that a person consented to or acquiesced in a hazing activity is not a defense to prosecution.

The University of Texas System Board of Regents' Rules and Regulations, Series 50101, Section 2 provide that:

1. Hazing with or without the consent of a student is prohibited by the System, and a violation of that prohibition renders both the person inflicting the hazing and the person submitting to the hazing subject to discipline.
2. Initiations or activities by organizations may include no feature which is dangerous, harmful, or degrading to the student and a violation of this prohibition renders both the organization and participating individuals subject to discipline.

Activities which under certain conditions constitute acts that are dangerous, harmful, or degrading, in violation of Rules include but are not limited to:

- calisthenics, such as sit-ups, push-ups, or any other form of physical exercise;
- total or partial nudity at any time;
- the eating or ingestion of any unwanted substance;
- the wearing or carrying of any obscene or physically burdensome article;
- paddle swats, including the trading of swats;
- pushing, shoving, tackling, or any other physical contact;
- throwing oil, syrup, flour, or any harmful substance on a person;
- rat court, kangaroo court, or other individual interrogation;
- forced consumption of alcoholic beverages either by threats or peer pressure;
- lineups intended to demean or intimidate;
- transportation and abandonment (road trips, kidnaps, walks, rides, drops);
- confining individuals in an area that is uncomfortable or dangerous (hot box effect, high temperature, too small);
- any type of personal servitude that is demeaning or of personal benefit to the individual members;
- wearing of embarrassing or uncomfortable clothing;
- assigning pranks such as stealing; painting objects; harassing other organizations;
- intentionally messing up the house or room for clean up;
- demeaning names;
- yelling and screaming; and

- Requiring boxing matches or fights for entertainment.

### **Immunity**

In an effort to encourage reporting of hazing incidents, the law grants immunity from civil or criminal liability to any person who reports a specific hazing event in good faith and without malice to the Dean of Students or other appropriate official of the institution and immunizes that person for participation in any judicial proceeding resulting from that report. Additionally, a doctor or other medical practitioner who treats a student who may have been subjected to hazing may make a good faith report of the suspected hazing activities to police or other law enforcement officials and is immune from civil or other liability that might otherwise be imposed or incurred as a result of the report. The penalty for failure to report is a fine of up to \$1,000, up to 180 days in jail, or both. Penalties for other hazing offenses vary according to the severity of the injury which results and include fines from \$500 to \$10,000 and/or confinement for up to two years.

### **Immunizations**

Institutions of higher education may require persons applying for admission to be immunized against diphtheria, rubeola, 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. (Education Code 51.933(b-1))

### **On-campus Student requirement**

State requirements require first-time students, including transfer students, who reside in on-campus housing must provide a certificate signed by a health practitioner evidencing that the student has been vaccinated against bacterial meningitis at least 10 days prior to the student taking up residence in on-campus housing.

### **Right to Know**

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

### **Criminal Background Checks**

Certain programs require students to submit to and satisfactorily complete a criminal background check review as a condition of admission and/or participation in education experiences. Students who refuse to submit to a background check or who do not pass the background check may be dismissed from the program. The student is responsible for the costs of the criminal background check.

### **Gang Free Zone**

Premises owned, rented or leased by The University of Texas of Permian Basin, and areas within 1,000 feet of the premises are "gang-free" zones. Certain criminal offenses, including those involving gang-related crimes, will be enhanced to the next highest category of offense if committed in a gang-free zone by an individual 17 years or older. See Texas Penal Code, Section 71.028.

### **Missing Student Notification Policy**

If a member of the University community has reason to believe that a student who resides in on-campus housing is missing, he or she should immediately notify the UT Permian Basin Police Department at (432) 552-2786.

Students residing in on-campus housing have the option to identify confidentially an individual to be contacted by UT Permian Basin in the event the student is determined to be missing for more than 24 hours. Contact information will be accessible only to authorized campus officials and law enforcement and will not be disclosed outside of a missing person investigation. To designate a confidential contact, contact Apartment and Residence Life at (432) 552-3744.

### **Use of Facilities**

The property, buildings, or facilities owned or controlled by the University are not open for assembly, speech, or other activities as are the public streets, sidewalks, and parks. The responsibility of the Board of Regents and the University of Texas of the Permian Basin to operate and maintain an effective and efficient system of institutions of higher education requires that the time, place and manner of assembly, speech, and other activities on the grounds and in the buildings and facilities of the University be regulated. No person, organization, group, association, or corporation may use property or building owned or controlled by the University for any purpose other than in the course of the regular programs or activities related to the role and mission of the University, as permitted by the Regent's Rule 80101 and UT Permian Basin rules and regulations.



Most campus buildings and facilities are accessible to members of the campus community and their guest and visitors during normal business hours, Monday through Friday, and for limited hours on the weekends (this excludes most holidays). Students have access to the buildings during scheduled class sessions including laboratory, library study, and research periods. After normal business hours, including weekends and holidays, all campus buildings are considering closed and secured. Persons needing entry must sign in at the Mesa Building Information Center or utilize "late door entry" procedures. Late doors are equipped with electronic locks and closed circuit television cameras. This electronic access control system can allow access to those authorized entry and assigned a code for the system. Exterior building doors on campus are equipped with electronic alarm, which annunciate at the alarm monitoring company during prohibited hours. A member of the U.T.P.B. Police Department responds to each alarm.

### **Student parking information**

Parking permits are required to park on campus. The parking spaces in all lots are restricted as marked or posted. All underground parking is reserved. Only Student Housing residents are allowed to park at Student Housing. Parking permits are typically purchased during registration and are valid from September through the following August. The permits are marked with an expiration sticker. Permits can also be obtained at the Police Department Information Center, located in the Mesa Building Lobby, throughout the school year and are prorated as necessary. In compliance with Texas Education Code 51.207 (b), The University of Texas of the Permian Basin enforces State of Texas vehicle inspection laws for vehicles parking or driving on campus.

### **Student Travel**

(Texas Education Code, Section 51.949)

#### **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.

#### **Students as Driver**

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.

## **Students as Passengers**

Verify health insurance coverage for all students who are to be passengers in vehicles driven on university-related activities. 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).

## **Insurance**

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.

## **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.

## **Use of Personal Vehicles by Students**

Use of personal vehicles by students to drive to university-related activities is discouraged. 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.

## **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.

## **Copyrighted materials**

Unauthorized distribution of copyrighted material may subject students to disciplinary action and civil and criminal penalties. Information concerning the legal consequences of such violations may be found in Title 17 of the United States Code, Circular 92 (<http://www.copyright.gov/title17/92chap5.html#504>).

## **Syllabi website-**

In order to assist students in locating information about courses, course syllabi and faculty curriculum vitae are made available at the main page of the UTPB website [www.utpb.edu](http://www.utpb.edu). Please click on the links at the bottom of the website for information as needed.

## **Campus Solicitations**

"Solicitation," as defined in Rule 80103 of the Rules and Regulations of the Board of Regents of The University of Texas System, 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 or to 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 ordinances. All solicitations on the UT Permian Basin campus must conform to the Regents' Rules and Regulations, copies of which are available in the offices of the president, vice presidents, academic deans, numerous other administrative offices and the Central Library. The Regents' Rules and Regulations also may be accessed at the following Web site: [www.utsystem.edu/bor/rules.htm](http://www.utsystem.edu/bor/rules.htm).

## **Fire safety**

The University of Texas of the Permian Basin holds fire safety as one the fundamental part to providing everyone a safe environment. We encourage safety to everyone at our campus faculty, staff, and students. If an incident occurs individuals are ask to prompt report the issue to any administrative university official.

### **University Fire Warning System:**

The UTPB campus fire alarm system is being monitoring 24-7 via a GE FireWorks graphical interface system. This system operates on a fiber optic loop connected to every building fire panel on the UTPB campus. All academic and most of the housing buildings on the UTPB campus have simultaneous reporting to the City of Odessa Dispatch, University Police and EH&S via a class B fiber optics network. Fire and Life Safety oversees over 1,000 alarm initiating devices, 500 portable fire extinguishers, and 21 buildings with sprinkler systems as well as 4 special hazard systems.

## **Emergency Alert System**

Falcon Alert is an emergency notification service that gives UTPB administration the ability to communicate health, safety, or other emergency information quickly- by text messaging to your cell phone. If you enroll in Falcon Alert, university officials can quickly pass on safety-related information to you regardless of your location.

# 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 48 at the upper level (more than 48 credit hours are required 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 MRKT will count toward a degree except for a Bachelor of Business Administration (BBA) degree awarded by the School of Business.
3. Complete at least 24 semester credit hours in the major (more in most curricula), at least 18 of which must be upper level; at least six credits in the major must be taken at U. T. Permian Basin. Twenty-four of the last 30 semester credit hours earned toward the degree must be in residence.

For a BBA in Accountancy, Finance, Management, or Marketing, at least 50% of semester credit hours in upper level business course work 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 course work 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 87 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 .

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.

### **Textbooks**

Students have available access to purchase required or recommended textbooks through our University-affiliated bookstore. A student of this institution is not under any obligation to purchase a text-book from a university affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Textbook information is provided by the University bookstore. Students are supplied with retail prices and ISBN (International Standard Book Number).for books they wish to purchase. If student would like more information about books and other supplies please visit our bookstore website at [www.utpb.edu](http://www.utpb.edu) click bookstore link.

# GENERAL EDUCATION REQUIREMENTS

The purpose of the General Education Core Curriculum is to provide UTPB graduates with basic intellectual competencies that are essential tools for learning in any discipline. Completion of the Core Curriculum will ensure that graduates are able to

- Write and speak clearly, effectively, and correctly in a style appropriate to the subject, occasion, and audience;
- Apply basic mathematical tools in the solution of real-world problems;
- Understand, construct, and evaluate relationships in the natural sciences and understand the bases for constructing and testing theories;
- Expand knowledge of the human condition and human cultures, especially in relationship to behaviors, ideas, and values expressed in works of human imagination and thought; and
- Have a practical and theoretical knowledge of human behavior, interactions, groups, institutions, events, and ideas.

**The General Education Core Curriculum consists of 44 semester credit hours in the following categories**

Composition/Written Communication	6 credits
History (United States)	6 credits
Literature	3 credits
Mathematics (College Algebra or above)	3 credits
Mathematics (Statistics or Math above College Algebra)	3 credits
Physical and Biological Sciences (any two courses with labs)	8 credits
Political Science (U.S., State of Texas and Local Government)	6 credits
Visual and Performing Arts	3 credits
Oral Communication (Speech)	3 credits
Social Science	3 credits

**TOTAL HOURS REQUIRED    44 credits**

The table below lists current U. T. Permian Basin courses which satisfy the General Education Requirement for each of the ten categories of the Core Curriculum. Also listed are course numbers in the Texas Common Course Numbering System (TCCNS) which meet the requirements as transfer courses. The TCCNS is a statewide system for determining equivalency of courses at different institutions.

Some majors specify courses that should be selected to meet a General Education Requirement. Several majors require certain Math courses. Thus, students should refer to major requirements listed in this catalog before selecting General Education courses.

In addition, most teacher certification programs have mathematics requirements different from or beyond the minimum mathematics general education requirements. Students seeking teacher certification should contact their certification advisor for specific math requirements. Though it is not considered part of the Core Curriculum, most majors also include coursework to insure computer literacy.

UTPB General Education Requirement	Code	SCH	UTPB Course Number Catalog	Level	Transferable Courses in the Texas Common Course Inventory
Composition and Written Communication	010	6	ENGL 1301 ENGL 1302	Lower level	ENGL 1301 ENGL 1302
History (U.S. History)	060	6	HIST 1301 HIST 1302	Lower level	HIST 1301 HIST 1302 or 2301
Literature	040	3	ENGL 2322,2323,2327,2328 UNIV 1301*	Lower level	ENGL 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333
Mathematics (College Algebra or above)	020	3	MATH 1314, 1324, 1325, 1332, 1333, 2412, 2413, 2414, 2415	Lower Level	MATH 1314, 1316, 1324, 1325, 1332, 1333, 1350, 2412, 2413, 2414, 2415
Mathematics: (Statistics or Math above College Algebra)	021	3	MATH 1324, 1325, 1332, 1333, 1350, 2412, 2413, 2414, 2415  CRIM 3360, CHLD 3301, PSYC 3301, SOCI 3317	Lower Level  Upper Level	MATH 1316, 1324, 1325, 1332, 1333, 1350, 2412, 2413, 2414, 2415 PSYC 2317
Physical and Biological Sciences	030	8	BIOL 1306/1106, 1307/1107 1308/1108 CHEM 1301/1103, 1311/1111, 1312/1112 GEOL 1301/1101, 1302/1102 PHYS 2325/2125,2326/2126, 1301/1101,1302/1102	Lower Level	BIOL 1306/1106, 1307/1107, 1406,1407,1408, 1409,1413,2401,2402 CHEM 1311/1111, 1312/1112, 1411, 1412 GEOL 1403,1404 PHYS 1301/1101,1302/1102, 2325/2125, 2326/2126
Political Science (U.S., State of	070	6	PLSC 2305, 2306 UNIV 2301*	Lower Level	GOVT 2301, 2302



Texas and Local Government)					
Visual and Performing Arts Appreciation and/or History	050	3	ARTS 1301, DRAM 2301 MUSI 1306, 2310 UNIV 1302 *  MUSI 3306, 3310	Lower Level  Upper Level	ARTS 1301, 1303, 1304, 1311, 1312 DRAM 1310, 1351, 2361 MUSI 1306, 1311, 1370, 1371
Oral Communication	011	3	COMM 1315	Lower Level	SPCH 1311, 1315, 1321
Social Science	080	3	ECON 2301, 2302, GEOG 1302 PSYC 1301 SOVI 1301 LEAD 1301	Lower Level	ECON 2301,2302 GEOG 1302 PSYC 2301 SOVI 1301, 1306
Total		44			

\* UNIV courses are open to students in the Honors Program only.

### 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 1324, 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.



# ACADEMIC REGULATIONS

## Absences

### University Authorized absences

In accordance with authorized University activities (such as athletic events or scholastic activities that are officially sponsored by the University) notification by a designated individual of the activity will be made for all student participants of that activity. It is the student responsibility to notify each instructor of his or her absence should an examination or work assignment is missed on the day of absence. An instructor is under no obligation to accommodate a student who is absent or misses work assignments without prior notification and make-up arrangements.

### Observance of Religious Holy day

A student who misses an examination, work assignment or other required project due to an observance of a religious holy day will be given the opportunity to complete the work missed with a reasonable time after the absence. It is the student's responsibility to make proper notification to all class instructors for the day of the absence. 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

### Military (called to duty)

In accordance with section 51.9111 of the Texas Education Code, students are excused from scheduled classes or other required activities if the student is called to and participate in active military service for brief period. The student will be allowed to complete an assignment or exam within reasonable time after the absence.

### 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.

### Academic Appeal (Grade Appeals)

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> )

## **Attendance**

Class Attendance is required of all students.

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

The University may void the registration of a student who has not attended any classes or attended two or fewer days of classes on or before the twentieth class day.

Faculty shall report to the Vice President for Student Service or other designated University Officials any student who is not attending classes as required above. The Office of Student Service shall seek to contact the student through their official campus contact information and permanent address information in the Registrar's records. If the student cannot be contacted or has only attended two or fewer days of classes on or before the twentieth class day the University may void the student's registration. After receiving written notification from the Vice President for Student Service or other designated official to void a student's registration, the Registrar will send a registered letter notifying the student of the University's action and appeals process under the Handbook of Operation Procedures, part five, section 2.43 Nonacademic Appeal.

If a registration is voided, tuition and fees will be refunded minus the matriculation fee and other non-refundable fees.

Students should also be aware that the voiding of their registration may leave them with a financial liability to the University of Financial Aid Provider for financial aid paid to them for expenses other than tuition and fees. The Office of Financial Aid will send a student whose registration is voided a notification of obligations owed.

## **Classification**

Students at UT Permian Basin are classified in accordance with the number of semester hours earned. Hours earned are interpreted as hours passed at UT Permian Basin plus hours accepted in transfer from other institutions and/or credit by examination.

- Freshman: One who has earned fewer than 30 hours.
- Sophomore: One who has earned 30 hours but fewer than 60 hours
- Junior: One who has earned 60 hours but fewer than 90 hours
- Senior: One who has earned 90 hours or more.
- Degreed or Post Baccalaureate: One who has earned a bachelor's degree or higher and is enrolled as an undergraduate.

## **Concurrent Enrollment**

Tuition credit is available if three undergraduate hours or fewer 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.

## **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 bachelor's degree in one field, the student will need 150 semester credit hours to graduate with two bachelor's degrees (i.e., 120 semester credit hours for the first and 30 more semester credit hours for the second). One diploma is issued for each degree.

## **Second Bachelor's Degree (30 SCH minimum)**

A student already holding a bachelor's degree from U. T. Permian Basin or another accredited institution and seeking to earn a second bachelor's degree from U. T. Permian Basin must complete a minimum 30 semester credit hours from U. T. Permian Basin of which at least 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 U. T. Permian Basin.

## **Course credit 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.

### **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.

### **Drops**

Dropping courses should not be confused with withdrawing from all courses. In courses taught on a conventional basis, a student may drop the course on or before 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. Students may drop courses without permission of the instructor during the first twelve class days in the fall and spring semester (four class days in summer).

Students must obtain the signature of the instructor whose course they are dropping if they drop the course on or between the 12th class day (4th day in the summer) and the last day to drop classes as given on the academic calendar for each fall and spring semester.

Student may drop a class after the last date or drop only with permission of their Dean, Department Chair, and Academic Advisor. 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. Drops forms must be completed at the Registrar's Office prior to the end of the last day to drop. Failure to drop a class which is not being attended will result in failing grade on the academic record. Student enrolling late in a course should not expect special make-up assistance from the instructor.

### **Six drop rule**

Students who enrolled in a Texas public institution of higher education as first-time freshman in the Fall 2007 and thereafter are not permitted to drop more than six courses during their entire undergraduate career, (Texas Administrative Code 4.10)

This limit includes all transfer work taken at a Texas institution of higher education. Any courses dropped prior to the census class day will not be considered attempted hours. Students that transfer from a private or out-of-state institution are not subject to this rule.

## 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.

## Forty-Five credit hour limit rule

Beginning the Fall 1999 semester, first time freshmen, and entering freshmen thereafter, will be under the 45 Plus Hour Rule. The rule states that students who attempt more than 45 credit hours over their degree plan at Texas State funded institutions of higher education and have not yet earned a baccalaureate degree will be charged out-of-state tuition. Attempted hours include hours a student is registered for through the census class day. Any courses dropped prior to the census class day will not be considered attempted hours by the State. Students who have transcribed course work prior to the Fall of 1999 are grandfathered from the 45 Plus Hour Rule.

## 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:

GPA	Latin Honor
3.50-3.79	Cum Laude
3.80-3.89	Magna Cum Laude
3.90-4.00	Summa Cum Laude

## 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:

A = Superior achievement	S = Satisfactory
B = High achievement	U = Unsatisfactory
C = Average achievement	I = Incomplete
D = Minimal achievement	(not available for SPI courses)
F = Failure to achieve minimal standard	Z = Acceptable progress (SPI only)
	PR = Work in Progress (masters thesis/project)

+ = High grade  
- = Low grade

W = Dropped class or withdrawal from the University

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

### **Honor Roll - (Presidents and Deans)**

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

### **Incomplete "I" grade**

An "I" grade or Incomplete grade 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. When reporting an "I" grade, the instructor must complete an 'Incomplete Report or contract 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. If a grade of "I" is to be assigned to a student the incomplete contract requires both the signature of the student and the instructor. Failure to have this document completed and signed by the appropriate individuals will void the contract.

In addition, a punitive grade of "F" will be assigned per administrative function of the Registrar (1) if an incomplete contract has no "as is" grade given and contract has expired; or (2) the Official time allotted for the contact has expired.

If a student is in contract for a specific course, the student cannot register for the same course. If the contract has expired or the student has been assigned an administrative "F" then he or she will be allowed to register for the course.



### **Independent Study (contract 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.

### **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.

### **Probation and Dismissal**

Students with 12 or more semester credit hours and a cumulative grade point average (GPA) or lower 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.

### **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

### **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 33.

## **Second Bachelor's Degree**

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.

## **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).

## **Self-Paced Instructed Grade**

A "Z" grade is defined as a grade given to specific Self-paced Instructed courses. A grade of "Z" is reported when a student has not completed all necessary requirements to complete the course. The grade of "Z" is specifically given to SPI course types and should not be considered a normal grade to be given for any other type of course. A grade "Z" is non-punitive in considering a student's GPA and consequently will not affect the totaling of the student's GPA. A student who has received a grade of "Z" has the opportunity to re-register for the same course to complete the course. The "Z" grade is permanently kept on records in compliance with both federal and state requirements for an academic students record. If the student re-takes the course there will be no grade replacement. While the Z grade carries no penalty, a high number may reflect poor schedule management. Z grades remain part of the permanent student transcript.

## **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.

### **Thirty Credit Hour Limit Rule**

Beginning the Fall 2006 Semester, first time freshmen, and entering freshmen thereafter, will be under the 30 Plus Hour Rule. The rule states that students who attempt more than 30 credit hours over their degree plan at Texas State funded institutions of higher education and have not yet earned a baccalaureate degree will be charged out-of-state tuition. Attempted hours includes hours a student is registered for through the census class day. Any courses dropped prior to the census class day will not be considered attempted hours by the State. Students who has a transcript of course work prior to the Fall of 2006 are grandfathered from the 30 Plus Hour Rule but may fall under the 45 Plus Hour Rule

### **Withdrawal**

Withdrawing is defined as a student who requests to withdraw from all classes currently enrolled. Students are required to complete withdrawal form from the Registrar's Office and obtain the signatures of the Accounting 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. In addition, an administrative withdrawal can be processed in a situation in which an active duty member of the US armed forces is called to duty. The student must provide documents stating the official date to report to duty. A student who is withdrawing as result of military service may choose the following (1) receive a refund of tuition and fees, (2) if eligible, be assigned an incomplete (I ; or (3) at the institution's discretion, receive a final grade in course where substantial amount of course work has been completed and mastery of the material is demonstrated. A complete withdrawal form must be submitted to the Office of the Registrar prior to the final date to withdraw. Student should consult the academic calendar for the last day to withdraw from the University. A withdrawal request after the last date to withdraw must be processed via an Academic Petition Form and be approved by the academic advisor of the student and the chair of the department. Failure to withdraw from the University will result in a failing grade on the academic record for all classes which the student never attended or stopped attending.

A withdrawal request becomes effective the date the completed and signed form is received from the student by the Registrar's office. Students should consult the Refund of Tuition and Fees Policy in the Regulations on Tuition and Fees section of this catalog to determine if they are entitled to a refund upon dropping a class or withdrawing from the University see page 51.

### **Writing and conversation**

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

# University Honors Program

The UTPB Honors Program provides a select group of students an academically enriching and intellectually stimulating experience.

## Benefits

- The opportunity to meet in smaller classes with students with similar interests and ability.
- The opportunity to exercise one's own initiative rather than always depending on explicit instructions from teachers.
- Students who graduate in the University Honors Program have that notation recorded on their diplomas and permanent records.
- Personalized and comprehensive Honors advising.
- Independent research experience providing excellent preparation for graduate and professional training.

## Features of the Program

- 9 hours of seminar courses – A three-course sequence wherein students learn of the most influential ideas, authors, and trends that have helped to shape the 21st Century world.
- 6 hours of "H-designated" courses – Honors students take two honors-designated upper-division courses in their respective majors.
- 3 hours of Honors Senior Thesis – Students complete an independent senior thesis that builds on the students' knowledge and interest in a field of study. During the course, students complete a research paper or a creative project.
- 1 hour Senior Seminar – Honors students meet once a week to discuss with fellow honor students current topics and ideas as well as their individual projects.

## Entrance Requirements

The admission requirements for entering freshmen are:

- Minimum 3.5 High School GPA on a 4.0 scale
- 1100 SAT or 24 on ACT
- Recognized that high school GPAs and standardized tests will not measure each student's academic capabilities and talents. Therefore, a student who does not meet the initial requirements may submit an application to the Honors Program. These students must also submit two letters of recommendation from former teachers. These students must still write the mandatory essay.
- Automatic admission to the Honors Program will be granted to any student who:
  - Is a National Merit Scholar
  - Is a Hispanic Merit Scholar
  - Has earned an International Baccalaureate degree

## **Course Listing**

### **UNIV 1301 Honors Freshman Seminar I**

This constitutes the first in a three-part series of courses required for students enrolled in the University's Honors Program. In this course, students will learn of the most influential ideas, authors, and trends that have helped to shape the 21<sup>st</sup> Century world. Admission to the University's Honors Program is required before enrolling in this course.

### **UNIV 1302 Honors Freshman Seminar II**

This constitutes the second in a three-part series of courses required for students enrolled in the University's Honors Program. In this course, students will learn of the most influential ideas, authors, and trends that have helped to shape the 21<sup>st</sup> Century world. Successful completion of Honors Freshman Seminar I (UNIV 1301) is required before enrolling in this course.

### **UNIV 2301 Honors Sophomore Seminar I**

This constitutes the third in a three-part series of courses required for students enrolled in the University's Honors Program. In this course, students will learn of the most influential ideas, authors, and trends that have helped to shape the 21<sup>st</sup> Century world. Successful completion of Honors Freshman Seminar II (UNIV 1302) is required before enrolling in this course.

# Additional Facilities and Student Information

## 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.

## Student 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 Communication discipline. The editor and staff for *The Mesa Journal* are selected from the student body by the Humanities Department.

## **Definitions of Academic Terminology**

BA	Bachelor of Arts
BAAS	Bachelor of Arts in Applied Sciences
BBA	Bachelor of Business Administration
BFA	Bachelor of Fine Arts
BS	Bachelor of Science
BSW	Bachelor of Social Work
ExCET	Examination for the Certification of Educators in Texas
FERPA	Family Educational Rights and Privacy Act
GPA	grade point average
PASS	Programs Assisting Students Study
REACH	Regional Electronic Academic Communications Highway
SCH	semester credit hour(s)
TCCNS	Texas Common Core Numbering System
TE <sub>x</sub> ES	Texas Examinations of Educator Standards
TOPT	Texas Oral Proficiency Test
TSI	Texas Success Initiative
UTOC	University of Texas Consortium online program



# COLLEGE OF ARTS AND SCIENCES

**Mylan Redfern, Ph.D., Dean**  
**Kyle Beran, Ph.D., Associate Dean**  
For Information Contact (432) 552-2220



**Mylan Redfern, Ph.D.** (Louisiana State University) has been Dean of the College of Arts and Sciences since July, 2010. Prior to that she was Head of Mathematics and Computer Science at Valdosta State University and before that Professor of Mathematics at the University of Southern Mississippi. As a faculty member she has taught at both the undergraduate and graduate levels of mathematics. She received over \$300,000 in externally funded grants to produce textbooks on computation mathematics. Her research area is stochastic analysis. She has published many articles and presented her work both nationally and internationally.

**Kyle A. Beran, Ph.D.** (University of Kansas) has been Associate Dean of the College of Arts since August of 2009 and was awarded the rank of Associate Professor of Chemistry in 2005. He joined the UTPB faculty in 2002 and has been recognized by his peers for both his teaching (Sullivan Award for Teaching Excellence (2002) and Midland Chamber of Commerce Excellence in Teaching Award (2005) and research (La Mancha Windmill Award (2004)). His research projects involving the computational investigation of chemical systems have received external support from the NSF-sponsored TeraGrid project as well as from the Texas Advanced Computing Center (TACC).

## General Overview

The College of Arts and Sciences was formed in 1994 by combining the divisions of Behavioral Sciences, Humanities and Fine Arts and Science and Mathematics. In January 2007, the College was restructured. There are now nine academic departments: Biology, History, Kinesiology, Literature and Languages, Mathematics and Computer Sciences, Physical Sciences, Social Sciences, and Visual and Performing Arts. The Departments and the disciplines within each department are listed below along with Department Chairs and discipline Coordinators.

<b>Departments and Chairs</b>	<b>Disciplines within Departments and Coordinators</b>
<b>Biology</b> Don Allen, Chair	Biology – Don Allen Pre-Med – Doug Spence Multi-Disciplinary Studies – Roy Hurst
<b>Literature and Languages</b> Sophia Andres, Chair	English – Sophia Andres Spanish – Rhina Toruño-Hensley(graduate);Anna Leon(undergraduate)
<b>History</b> Roland Spickermann, Chair	History – Roland Spickermann Humanities – Roland Spickermann
<b>Kinesiology</b> James Eldridge, Chair	Kinesiology – James Eldridge
<b>Mathematical and Computing Sciences</b> Ilhyun Lee, Chair	Computer Science – Ilhyun Lee Information Systems – IlhyunLee Mathematics – Paul Feit
<b>Physical Sciences</b> Emilio Mutis, Chair	Chemistry – Mike Robinson Geology – Emilio Mutis
<b>Psychology</b> Spencer Thompson, Chair	Psychology – Spencer Thompson Child and Family Studies – Spencer Thompson
<b>Social Sciences</b> Craig Emmert, Chair	Criminology – Richard Kiekbusch Leadership – Carol Traut Political Science – Craig Emmert Public Administration – Carol Traut Social Work – Kay Ketzenberger Sociology – Joanna Hadjicostandi Pre-Law – Carol Traut

<p><b>Visual and Performing Arts</b></p> <p>Shawn Watson, Chair</p>	<p>Art – Dan Askew</p> <p>Communication – William Harlow</p> <p>Drama – Shawn Watson</p> <p>Music – Dan Keast</p>
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**Mission**

The mission of the College of Arts and Sciences is to prepare students to think critically, communicate effectively, and carry out the duties of responsible citizens and competent professionals. As U.T. Permian Basin’s largest and most comprehensive academic unit, the College provides a liberal arts and sciences foundation for all undergraduate students as well as specialized degree programs at both the undergraduate and graduate levels. The College is committed to the discovery, synthesis, interpretation, dissemination of new knowledge, and service to both professional academic groups and the other communities we serve through the application of knowledge to human issues and concerns.

The College is proud of its master’s degree 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.

**Undergraduate Major Disciplines**

The College of Arts and Sciences offers the Bachelor of Arts (BA) degree: 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: Athletic Training, Biology, Chemistry, Computer Science, Criminal Justice, 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 (BFA) is offered in Art. The Bachelor of Social Work (BSW) is offered in Social Work.

The College also provides a 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 Biology section on pre-professional health programs on page 137n this catalog, and to faculty in Biology and Chemistry for advising. Students planning to attend law school are referred to the Pre-Law section of the catalog on page 298.

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 Pre-Law section (page 298) in this catalog.

For the BA, BAAS, BFA, BS, and BSW degrees, a minimum of 120 semester credit hours is required. The degrees in all majors require that at least 48 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; the BA in Art (the all level teaching certification program only), the BFA in Art, and BSW in 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, Energy Studies, Latin American Studies, 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:**

All freshman and sophomore students in the College of Arts and Sciences will be advised by professional advisors in the College of Arts and Sciences Academic Advising Center. Juniors and seniors will be assigned a faculty advisor in their chosen major and will be advised by that advisor for their last two years at The University of Texas of the Permian Basin.

All incoming transfer students in the College of Arts and Sciences will be initially advised by professional advisors in the College of Arts and Sciences Academic Advising Center. If the incoming transfer student is a freshman or sophomore, the student will be advised by the professional advisors until the student is a junior at which time a faculty advisor in the student's chosen major will be assigned. If the incoming transfer student is a junior or senior, after initial advising by a professional advisor in the College of Arts and Sciences Academic Advising Center, a faculty advisor will be assigned.

All students should meet their advisor faculty or professional 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 and is a junior or senior, the Arts and Sciences Academic Advising Office will assign a faculty 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.

Freshman or sophomore students in online programs will be advised online by professional advisors in the College of Arts and Sciences Academic Advising Center. The student must initiate advising by emailing [eadvisor@utpb.edu](mailto:eadvisor@utpb.edu).

## **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 ten 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, Computer Science, 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.

# APPLIED ARTS AND SCIENCE

Administered by the Department of Kinesiology 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 B.A.A.S. degree will enhance students' technical education and will prepare them with leadership skills relevant in their respective working environments. The B.A.A.S. program allows students to choose one of the three tracks that best suits their needs for professional development: Health Professions, Human & Legal Studies, and Industrial Technology.

## Degree Requirements

The 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.

### 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 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 complete a supervised internship course.

### Minor

**18 credits**

B.A.A.S. students must complete a minor. At least 12 sch must be upper level. No more than 6 sch from courses applied toward the B.A.A.S. major may be used towards the minor.

### Electives

Students may need to take electives to reach the required 120 total semester credit hours. Of these, at least 42 sch must be upper level.

### Course Listing

#### **BAAS 4393 Senior Project (3)**

Senior project based on the student's B.A.A.S. track, supervised by a faculty advisor.

# 2011-2013 DEGREE PLAN: Bachelor of Applied Arts and Sciences

NAME \_\_\_\_\_

UID#: \_\_\_\_\_

**General Education Requirements (44sch):**

- \_\_\_ English Composition, 6 credits 1301& 1302
- \_\_\_ Literature, 3 credits, 2322, 2323, 2327, or 2328
- \_\_\_ U.S. History, 6 credits 1301 & 1302 recommended
- \_\_\_ U.S., State&Local Govt. 6 credits PLSC 2305, 2306
- \_\_\_ Lab Sciences, 8 credits
- \_\_\_ Mathematics (Statistics may be used for 2<sup>nd</sup> math)
- \_\_\_ Speech, 3 credits
- \_\_\_ Visual & Performing Arts, 3 credits.
- \_\_\_ Social Science, 3 credits
- \_\_\_ Computer use

**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 120 semester credit hours.
3. At least 42 credits must be upper 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 a grade point average of at least 2.0 in all courses applicable toward the B.A.A.S. degree.

**B.A.A.S. TRACKS: Health Professions, 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 30sch from the technical field of the A.A.S. degree as well as all transferable General Education credit hours will be applied to the degree. Each student must complete 27sch in courses related to their AAS specialty. This total may include no more than 6sch from the department of the selected minor and should be selected from the Health Professions, Human & Legal Studies, or Industrial Technology categories. B.A.A.S. students 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. In addition, all B.A.A.S. students must complete BAAS 4393, Senior Project and every student will be required to complete a 3sch supervised internship. B.A.A.S. students must also complete a minor and no more than 6sch 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 3350/3151 Phys Exercise & Lab
- \_ Kine 3310 Motor Development
- \_ Kine 3340 Analysis Human Move
- \_ Kine 4300 Meas Perf Sport & Exer Sci
- \_ Kine 4350 Psychology of Exercise
- \_ Kine 4360 Exercise for Special Pop
- \_ Kine 4362 Cardiorespiratory Phys
- \_ Kine 4364 Exercise & Nutrition
- \_ Psyc 4304 Physiological Psyc
- \_ Psyc 4305 Drugs and Behavior
- \_ Psyc 4307 Health Psychology
- \_ Other \_\_\_\_\_
- \_ Other \_\_\_\_\_

**Human & Legal Studies Track**

- \_Comm 2333 Small Group Comm
- \_Comm 3355 Adv Public Speak
- \_Comm 4340 Group Leadership
- \_Comm 3375 Political Comm
- \_Comm 4315 Comm Law
- \_Comm 4356 Arg & Pers
- \_Crim 4312 Crim Procedure
- \_Crim 4322 Legal Found/Correct
- \_Crim 4333 Law & Society
- \_Crim 4381 Ethics in CJ
- \_Ensc 3320, Environmental Law
- \_Lead 4339 Leadership & Ethics
- \_Lead 4370 Conflict Resolution
- \_Plsc 4335 Constitutional Law
- \_Plsc 4336 Civil Liberties
- \_Plsc 4345 Public Policy
- \_Plsc 4347 Public Adm
- \_Plsc 4354 Congress & Pres
- \_Psyc 3311 Social Psyc
- \_Psyc 4306 Indust & Org Psyc
- \_Psyc 4381 Gender Psyc
- \_Other \_\_\_\_\_
- \_Other \_\_\_\_\_

**Industrial Technology Track**

- \_ITEC 3303 Production Planning & Control
- \_ITEC 3305 Safety, Health, & the Environment
- \_ITEC 3310 Manufacturing Technology
- \_ITEC 3380 Managing Technology
- \_ITEC 3390 Technology & Society
- \_ITEC 4275 Senior Seminar
- \_ITEC 4304 Instruments & Controls
- \_ITEC 4305 Industrial Ergonomics
- \_ITEC 4380 Total Quality Management
- \_ITEC 4391 Contract Study in Industrial Tech
- \_PTEC 3301 Petroleum Fundamentals
- \_PTEC 3302 Petroleum Fluids & Natural Gas Tech
- \_PTEC 3304 Drilling Technology
- \_PTEC 4301 Petroleum Production Tech
- \_PTEC 4302 Pipeline Technology
- \_PTEC 4304 Wireline, Mud & Core Analysis
- \_PTEC 4305 Petroleum Reservoirs
- \_PTEC 4389 Selected Topics
- \_MNGT 3310 Mngt. Concepts & Org. Theory
- \_MNGT 3312 Human Resource Management
- \_Other \_\_\_\_\_
- \_Other \_\_\_\_\_

- \_ BAAS 4393 Senior Project \_\_\_\_\_
- \_ Supervised Internship KINE 4392, COMM 4392, CRIM 4392, ENSC 4390, LEAD 4692, SOCI 4393, or ITEC 4392

**HOURS FROM OTHER INSTITUTIONS (IF ANY):**

Freshman/sophomore total..... \_\_\_\_\_  
 Junior/senior total ..... \_\_\_\_\_  
 Total credits transferred..... \_\_\_\_\_

**MINOR:** In general, a minor is 18sch of which 12sch must be upper level. No more than 6 sch from courses applied toward the B.A.A.S. major may be used towards the minor. Please consult the catalog for specific minor requirements.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

STUDENT SIGNATURE \_\_\_\_\_  
 ADVISOR SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_  
 DATE \_\_\_\_\_

# ART

Administered by the Department of Visual and Performing Arts within the College of Arts and Sciences.

## **Our Mission in ART is to:**

- Prepare students to become professional artists, designers and art historians, 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.
- 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.
- Provide the skills, knowledge and experience necessary to teach at all levels within the private or public school sector.
- Serve non-art majors by offering courses in studio art, art history and art appreciation.
- 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 options in art.

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 opportunities for individual and commercial expression, and students are encouraged to seek out those that are best suited to themselves. In accordance with the University's broadly based humanities option, non-art majors are encouraged to enroll in art courses.

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

All Art majors will be required to meet the visual arts core or its equivalent. Transfer students 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 options to update their degree plans and to have a portfolio review before enrolling for junior level Art courses.

All Art majors are required to enter 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 the BFA seminar in which they complete a senior project which they will have the opportunity to present in the annual Summer BFA exhibition after they graduate.

## **For students enrolled in the BA Degree:**

Within the Bachelor of Arts degree there are three options, a major in Art with a minor, art history, and teacher certification.



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 option 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 option may also prepare students for application to graduate school in art history.

3. The teacher certification option is designed for those students interested in a teaching career within the public or private school sector. Those students seeking all level certification are required to take the 18 credit hours of professional education.

### **Minors in 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 18 hours. Students are required to take Art History Survey I and II from the freshman/sophomore level and four upper level art history courses, two covering topics prior to the 20<sup>th</sup> Century and two covering topics related to the 20<sup>th</sup> Century and later.

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 the General Education section of this catalog.

### **Bachelor of Arts Art Major With a Minor or Teaching Certification**

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. This plan also applies to the student seeking all-level teaching certification, but instead of a minor the student will take the education courses required for certification.

<b>Basic Art Core - Freshman and Sophomore Years</b>		
		<u>Semester Credit Hours</u>
ARTS 1303	Art History Survey I	3
ARTS 1304	Art History Survey II	3
ARTS 1316	Introduction to Drawing	3
ARTS 1311	Two Dimensional Design	3
ARTS 1312	Three Dimensional Design	3
	Lower level art elective	<u>3</u>
<b>SUBTOTAL:</b>		<b>18</b>
<b>Upper Level Requirements</b>		
		<u>Semester Credit Hours</u>
ARTS 4301	Art since 1945	3
ARTS 3331	Sculpture	3
ARTS 3320	Painting	6
	1 Printmaking course	3
	1 Ceramics course	3
	1 Upper level elective	<u>3</u>
<b>SUBTOTAL:</b>		<b>18</b>
<b>TOTAL:</b>		<b>36</b>

### **Art History Option with a Minor**

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 studying the art of each era and its relationship to society, religion, culture, and government.

Art History is a perfect choice for students preferring a broad liberal arts education and provides a broad foundation for a number of careers including museum and/or gallery work, auction houses, and other fields. The Art History option is a 36-hour major with an 18-hour minor.

<b>Basic Art Core - Freshman and Sophomore Years</b>		
		<u>Semester Credit Hours</u>
ARTS 1303	Art History Survey I	3
ARTS 1304	Art History Survey II	3
ARTS 1316	Introduction to Drawing	3
ARTS 1311	Two Dimensional Design	3
ARTS 1312	Three Dimensional Design	3
	Lower level art elective	<u>3</u>
<b>SUBTOTAL:</b>		<b>18</b>
<b>Upper Level Requirements</b>		
		<u>Semester Credit Hours</u>
Select two courses from the following:		
ARTS 3301	Women Artists I	
ARTS 3303	American Art History I	

ARTS 4304	History of the 19 <sup>th</sup> Century	
ARTS 4305	History of Renaissance Art	6
Select three courses from the following:		
ARTS 3302	Women Artists II	
ARTS 3304	American Art History II	
ARTS 3305	Modern Hispanic Art and Its Foundation	
ARTS 4300	Concepts in Modern Art	
ARTS 4310	Art since 1945	9
ARTS 4394	Art History Senior Seminar	<u>3</u>
	SUBTOTAL:	18
	TOTAL:	36



# Bachelor of FINE ARTS

The Bachelor of Fine Arts Degree with a major in Art at U. T. Permian Basin is a professional degree designed to provide students with the skills, knowledge and experiences necessary to go into professional practice in the visual arts, 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 total semester credit hours required for a B.F.A. in Art is 120.

The Bachelor of Fine Arts degree offers two options: (1) two-dimensional study, and (2) three-dimensional study. The two-dimensional option is specific to the flat plane while the three-dimensional option focuses on the interaction of space and form.

Students selecting the two-dimensional option will develop an understanding of 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 for the two-dimensional option. 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 three-dimensional option 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 option will remain consistent with its traditional focus, but not exclude contemporary influences.

Students may graduate with the BFA in Art provided they complete the coursework specified in either 2D or 3D options below such that at least 48 credit hours are upper level; and meet U.T. Permian Basin's undergraduate scholastic requirements for the baccalaureate.

<b>Art Foundation Courses - Freshman and Sophomore Years - 21 Credit Hours:</b>		
		Semester Credit Hours
ARTS 1303	Art History Survey I	3
ARTS 1304	Art History Survey II	3
ARTS 1311	Two Dimensional Design	3
ARTS 1316	Introduction to Drawing	3
ARTS 1312	Three Dimensional Design	3
ARTS 2310	Figure Composition I	3
ARTS 2348	Digital Art	3

<b>Art History Courses – Upper Level - 12 credit hours:</b>		
		Semester Credit Hours
Select two courses from the following:		
ARTS 3301	Women Artists I	
ARTS 3303	American Art History I	

ARTS 4304	History of 19 <sup>th</sup> Century Art	
ARTS 4305	History of Renaissance Art	6
Select two courses from the following:		
ARTS 3302	Women Artists II	
ARTS 3304	American Art History II	
ARTS 3305	Modern Hispanic Art and Its Foundation	
ARTS 4300	Concepts in Modern Art	
ARTS 4310	Art since 1945	6

### **2D or 3D Studio Option, 43 Credit Hours:**

Select one of two options: (1) Two-Dimensional Studio Option (43 credit hours), or (2) Three-Dimensional Studio Option (43 credit hours).

<b>1) Two-Dimensional Studio Option – Upper Level – 43 credit hours:</b>	
	<u>Semester Credit Hours</u>
<b>a. Upper Level Requirements - 28 credit hours</b>	
Painting courses	6
Printmaking courses	6
Drawing courses	6
ARTS 3331	3
Ceramics course	3
BFA Seminar	3
ARTS 3193 Installation Apprenticeship	1
<b>b. Upper Level Electives - 15 credit hours</b>	
	15

<b>(2) Three-Dimensional Option – Upper Level – 43 credit hours:</b>	
	<u>Semester Credit Hours</u>
<b>a. Upper Level Requirements, 28 credit hours</b>	
Sculpture courses	6
Ceramics courses	6
Ceramics or Sculpture courses	6
Two Dimensional or Digital courses	6
ARTS 4393 BFA Seminar	3
ARTS 3193 Installation Apprenticeship	1
<b>b. Upper Level Electives - 15 credit hours</b>	
	15

ART MINOR		
Semester Credit Hours		
<b>Lower level - one of the following:</b>		
ARTS 1303	Art History Survey I	3
ARTS 1304	Art History Survey II	3
<b>Lower level - one of the following:</b>		
ARTS 1311	2-D Design or	3
ARTS 2331	3-D Design	3
<b>Lower level - one of the following:</b>		
ARTS 1316	Intro to Drawing or	3
ARTS 2310	Figure Composition I	3
<b>Upper level:</b>		
ARTS ____	Any upper level course	3
ARTS ____	Any upper level course	3
ARTS ____	Any upper level course	3
<b>TOTAL:</b>		<b>18</b>

ART HISTORY MINOR		
<b>Lower level</b>		
<b>Required</b>		
ARTS 1303	Art History Survey I	3
ARTS 1304	Art History Survey II	3
<b>Total</b>		<b>6</b>
<b>Upper level</b>		
Select two courses from the following:		
ARTS 3301	Women Artists I	
ARTS 3303	American Art History I	
ARTS 4304	History of 19 <sup>th</sup> Century Art	
ARTS 4305	History of Renaissance Art	6
Select two courses from the following:		
ARTS 3302	Women Artists II	
ARTS 3304	American Art History II	
ARTS 3305	Modern Hispanic Art and Its Foundation	
ARTS 4300	Concepts in Modern Art	
ARTS 4310	Art since 1945	6
<b>TOTAL:</b>		<b>18</b>

## Visual Arts Course Listing

### **ARTS 1301 Art Appreciation (3)†**

The study of art, its role in society, the creative process and standards of artistic judgment.

### **ARTS 1303 Art History Survey I (3)**

A study of the history of art from prehistoric to the Renaissance.

### **ARTS 1304 Art History Survey II (3)**

A study of the history of art from the Renaissance to the post-modern era.

### **ARTS 1311 Two-Dimensional Design (3)**

The study of design concepts including color theory, value scales and perspective.

### **ARTS 1312 3D Design (3)**

Exploration of the visual structure and organization of three-dimensional forms in a variety of materials, with an emphasis on the development of creative and critical skills, object and material processing, and concept development.

### **ARTS 1316 Introduction to Drawing (3)**

Open to non-art majors. The study of basic drawing techniques using black and white media.

### **ARTS 2310 Figure Composition I (3)**

An introduction to figure drawing using academic approaches with black and white media.

### **ARTS 2348 Digital Art (3)**

The computer will be used as a tool to create art. Current computer design programs and software will be introduced in this course. Prerequisite: ARTS 1311 or permission of the instructor.

### **ARTS 3193 Installation Apprenticeship (1)**

A hands-on experience installing exhibitions in the university gallery. Students will learn proper museum procedures for uncrating, condition reports, installation, and repacking of art work.

### **ARTS 3301 Women Artists I (3)**

The study of women artists from ancient times to the early 1900s. Prerequisite: ARTS 1303 and 1304 or permission of the instructor.

### **ARTS 3302 Women Artists II (3)**

The study of women artists from the early 1900s to the present. Prerequisite: ARTS 1303 and 1304 or permission of the instructor.

**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, Asian-Americans and Mexican-Americans. ARTS 1304 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 1304 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 options and connections to Pre-Columbian foundations.

**ARTS 3310 Figure Composition II (3)**

Figure drawing based on personal response and interpretation of the model with various colored media. Prerequisite: ARTS 1311, 1316, 2310 or permission of the instructor.

**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.)

**ARTS 3320 Painting (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 1311, 1316, 2310 or permission of the instructor.

**ARTS 3323 Painting for Non-Art Majors (3)**

A course in painting for non-art majors including historic overview of painting, basic painting techniques, appropriate painting surfaces, construction of canvases, brushes, chemistry of paint, and color handling. (Not for Art Majors.)

**ARTS 3327 Analog Photography (3)**

Fine art black & white photography. Laboratory experience in exposure, film processing, and printing black and white film negatives. Possession of an SLR 35mm camera is preferred, but not required. Prerequisites: ARTS 1301 or ARTS 1311 or ARTS 2348.

**ARTS 3331 Sculpture (3)**

Develops broad understanding and use of sculptural language through exploration with various materials, techniques and processes as they relate to the development of sculptural ideas. Prerequisite: ARTS 1312.



**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 option on various aspects of ceramic building processes, glaze applications and firing procedures. Prerequisite: ARTS 1311, 1316, 2310, 2331 or permission of the instructor.

**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.

**ARTS 3348 Graphic Art for Print (3)**

Introduction to layout design with the main emphasis on type, corporate identity, package and exhibition design. Projects presented to professional clients. Current design based software will be introduced in this course. Prerequisites: ARTS 1311 and ARTS 2348 or permission of the instructor.

**ARTS 3350 Relief Printmaking (3)**

A course exploring various relief printmaking methods, including woodcuts, linocuts and wood engraving. Prerequisite: ARTS 1311, 1316 and 2310 or permission of the instructor.

**ARTS 3351 Silkscreen (3)**

Processes include building and preparing the silkscreen, cut paper frisket and various stencil techniques. Prerequisite: ARTS 1311, 1316 and 2310 or permission of the instructor.

**ARTS 3355 History of Printmaking**

This course deals with the history of printmaking from Asian, Medieval periods to our current contemporary styles and techniques in printmaking. The student must have a junior standing at the university. Prerequisites: ARTS 1301 or ARTS 1303 or ARTS 1304.

**ARTS 3360 Papermaking/Bookmaking (3)**

Creating handmade paper using various materials and techniques. Books will be made from the paper. Open to non-art majors. Prerequisite: ARTS 1311, 1316, 1312 or permission of the instructor.

**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 1311, 1316, 2310, 2331 and permission of supervising instructor required.

**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.

**ARTS 4300 Concepts in Modern Art (3)**

In-depth study for the underlying ideas on which today's art is based. Prerequisite: ARTS 1303 and 1304 or permission of the instructor.

**ARTS 4301 Art since 1945 (3)**

From Abstract Expressionism to Neo-Expressionism. Prerequisite: ARTS 1303 and 1304 or permission of the instructor.

**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 History of Renaissance Art (3)**

This course is a study of the visual arts of Italy and Northern Europe from approximately 1400 to 1600 CE. A variety of artistic media will be discussed and analyzed in their reciprocal relations: frescoes, mosaics, sculpture, architecture, miniatures, etc. Using examples from these media, artistic and cultural trends will be examined and compared. Prerequisites: ARTS 1303 or HIST 2321 or permission of the instructor.

**ARTS 4304 History of Nineteenth Century Art (3)**

This course is a survey of European visual arts (and some from the United States) from the post revolutionary era to the 1900 World's Fair. Emphasis is placed on stylistic developments (Romanticism, Realism, Academicism, Impressionism, and Post-Impressionism) within historical and cultural contexts. Painting, sculpture, photography, and architecture will be included in this survey. Prerequisites: ARTS 1301 or ARTS 1304 or HIST 2322 or permission of the instructor.

**ARTS 4310 Creative Drawing (3)**

Drawing based on creativity and personal imagery using various media and approaches. Prerequisite: ARTS 1311, 1316, 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 1303, 1304, 1311, 1316, 2310, 3310, and 4310 or permission of the instructor. F

**ARTS 4312 Advanced Drawing II (3)**

Continuation of Advanced Drawing I with option on development of personal imagery and techniques. Prerequisite: ARTS 1303, 1304, 1311, 1316, 2310, 3310, 4310, and 4311 or permission of the instructor. S

**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 1303, 1304, 1311, 1316, 2310, 3310, any junior level painting and ARTS 4320 or permission of the instructor.

**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 1303, 1304, 1311, 1316, 2310, 1312, 2326, 3327, or permission of the instructor.

**ARTS 4330 Sculpture: The Human Form (3)**

Formal and alternative methods of figurative sculpture using traditional clay and plaster rendering. Prerequisite: ARTS 3331 or permission of the instructor.

**ARTS 4333 Advanced Sculpture (3)\***

A course allowing students to develop advanced technical knowledge in a variety of sculptural media while developing a personal vision and individual approach to the use of the medium. Prerequisites: ARTS 3331.

**ARTS 4335 New Media (3)**

This course will examine the basic principles of time-based artwork, by creating projects which will include video, sound, performance, and installation. In addition, a historical overview of time-based media will be presented via visual lectures, film viewing, and reading material. Prerequisites: ARTS 2348 and ARTS 3331.

**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 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 4343 A Survey of World Ceramics (3)**

This course will follow the 10,000 year history of the use of clay as both a functional and artistic medium. Our journey will begin during the Neolithic period and end with the ceramic tiles on the Space Shuttle.

**ARTS 4348 Graphic Art: Web (3)**

Introduction to the World Wide Web. Use of computer applications to design layouts for the web.

**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. S

**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.

**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 option 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 1303, 1304, 1311, 1316, 2310, and 3310 or permission of the instructor.

**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 1303, 1304, 1311, 1316, 2310, and 2331) two upper level art courses and the permission of the instructor. F S

**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.

**ARTS 4393 BFA Seminar (3)**

A culminating experience for the BFA student, taught as an independent study. At the conclusion of this semester the student will stage an exhibition of their own work, and will have the professional tools (resume and portfolio) to pursue a career in art or pursue a graduate degree. Prerequisite: Senior status, BFA majors only.

**ARTS 4394 Art History Senior Seminar (3)**

An advanced course for students whose option 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 a conference appropriate to the subject matter of the student's paper. The course will take the form of a seminar with the professor as guide, resource, and mentor.

Prerequisites: Completion of all Art History requirements for the BA degree in Art with the Art History Option.

**\* Course may be repeated twice.**

**† Course fulfills general education requirements.**

## 2011-2013 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.

### General Education Requirements

Subject	Course#	Credit
Composition		3
Composition		3
History		3
History		3
Political Science		3
Political Science		3
Literature		3
Mathematics		3
Mathematics		3
Science w/Lab		4
Science w/Lab		4
Soc/Psych/Crim/Econ		3
Communication		3
Fine Arts		3
Computer Use		3

### Minor

#### Freshman/Sophomore Level Classes

Subject	Course#	Credit

#### Junior/Senior Level Courses

Subject	Course#	Credit

### Freshman/Sophomore Visual Art Core

#### Required courses:

Subject	Credit
ARTS 1303 Art History Survey I	3
ARTS 1304 Art History Survey II	3
ARTS 1311 2D Design	3
ARTS 1312 3D Design	3
ARTS 1316 Intro to Drawing	3
Lower Level Elective	3

#### Junior/Senior Major Requirements 18 hours

Subject	Course#	Credit

### TEXES Requirements

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

Art (All Level): ARTS 1303, 1304, 1311, 1312, 1316, 3320, 3331, 3341, 3350, 4301, and 6 hours of ARTS electives with ARTS 2348 and 3326 highly recommended

**2011-2013 DEGREE PLAN: BFA IN ART  
2D or 3D Studio Option**

- 2D option
- 3D option

**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 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.

**General Education Requirements**

Subject	Course#	Credit
Composition		3
Composition		3
History		3
History		3
Political Science		3
Political Science		3
Literature		3
Mathematics		3
Mathematics		3
Science w/Lab		4
Science w/Lab		4
Soc/Psych/Crim/Econ		3
Communication		3
Fine Arts		3
Computer Use		3

**Freshman/Sophomore Visual Art Core**

**Required courses:**

Subject	Credit
ARTS 1303 Art History Survey I	3
ARTS 1304 Art History Survey II	3
ARTS 1311 2D Design	3
ARTS 1312 3D Design	3
ARTS 1316 Intro to Drawing	3
ARTS 2310 Figure Composition I	3
ARTS 2348 Digital Art	3

**Junior/Senior Art History Requirements 12 hours**

Subject	Course#	Credit

**Junior/Senior Major Requirements 28 hours**

Subject	Course#	Credit

ARTS 3193 Installation Apprenticeship	1
ARTS 4393 BFA Seminar	3

**Junior/Senior Level Electives 15hours**

Subject	Course#	Credit

**TEs Requirements**

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

**Art (All Level):** ARTS 1303, 1304, 1311, 1312, 1316, 3320, 3331, 3341, 3350, 4301, and 6 hours of ARTS electives with ARTS 2348 and 3326 highly recommended

# ATHLETIC TRAINING

## Bachelor of Science in Athletic Training

Students desiring to pursue athletic training as a profession should begin this track early in their college career. Students will receive academic course work combined with practical hands-on experience under the supervision of nationally certified and state licensed athletic trainers. The program is designed to meet all of the licensing requirements set forth by the Texas Department of State Health Services and the TABAT (Texas Advisory Board of Athletic Trainers), as well as BOC requirements once accredited by CAATE. This will enable students to be qualified to take the national certification exam.

Students will have a minor area of study that consists of 18 to 24 credit hours. There are two tracks in the B.S. in Athletic Training, certified and non-certified. Students who wish to become a certified teacher as well as an athletic trainer will take courses in the School of Education in addition to those in the major and minor areas of study.

**Once general education requirements are completed, courses that comprise the B.S. in Athletic Training major are as follows.**

KINE 1115 Beg/Adv Swimming  
KINE 1156 Aerobics  
KINE 1159 Weight Training  
KINE 1301 Concepts in Fitness and Health  
KINE 2306 First Aid  
KINE 2370 Care & Prevention of Athletic Injuries  
KINE 3340 Analysis of Human Movement (*Prereq BIOL 3350/3151, 3352/3153*)  
KINE 3350 Exercise Physiology (*Prereq BIOL 3350/3151, 3352/3153*)  
KINE 3151 Lab: Exercise Physiology (*taken with KINE 3350*)  
KINE 3371 Evaluation of the Lower Extremity  
KINE 3372 Evaluation of the Upper Extremity  
KINE 3373 Tissue Pathology and Pharmacology  
KINE 3374 General Medical Conditions in Athletes  
KINE 4175 Seminar in Athletic Training  
KINE 4320 Psychology of Sport  
    or KINE 4350 Psychology of Exercise  
KINE 4355 Psychology of Injury  
KINE 4364 Exercise and Nutrition  
KINE 4365 Concepts in Strength & Conditioning  
KINE 4370 Therapeutic Modalities  
KINE 4372 Rehabilitation of Athletic Injuries  
KINE 4375 Organization and Administration of Athletic Training  
KINE 4395 Practicum/Athletic Training (6x0.5 credit sections)

- If one seeks to minor in Biology additional requirements include Human Anatomy, Human Physiology, Genetics, and Evolution, plus 6 sch of upper level electives.
- Additional hours are required for students who seek TExES/ExCET certification.



### **TExES/ExCET Requirements**

Candidates for TExES test in All-Level Physical Education must complete the courses listed below or equivalent courses and the appropriate education courses in the School of Education. School of Education courses include EDUC 4332, EDUC 4333, EDUC 4334 and student teaching in elementary and secondary Physical Education. Candidates who wish to certify in Biology as a second teaching field will be placed in Biology for student teaching experiences as well.

### **Forms of Movement Course Requirements**

Demonstrated competence in 3 forms of movement is required of all Athletic Training majors. Credits earned in meeting this requirement do not count toward the hours required for a degree in Athletic Training. 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 the three courses (KINE 1115, 1156, 1159), participating in intercollegiate or professional athletics and possessing a current official's rating in the course content area. 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.

Course descriptions for the B.S. in Athletic Training follow. More information on other Kinesiology courses that may be used to fulfill electives in the B.S. in Athletic Training may be found in the B.S. in Kinesiology section of this catalog.

### **Course Listing**

#### **KINE 1115 Beg/Adv Swimming (1)**

Develop swimming stroke skills for personal use and learn basic swimming instructional techniques. Appropriate for swimmers from novice through advanced while using the Personalized System of instruction. F, S, Su

#### **KINE 1156 Aerobics (1)**

Opportunity to obtain skill and knowledge through participation in this lifetime activity.

#### **KINE 1159 Weight Training (1)**

Opportunity to obtain skill and knowledge through participation in this lifetime activity.

#### **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 2306 First Aid (3)**

Offers instruction in the knowledge and skills necessary, in an emergency situation, to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until professional medical help arrives. Opportunity for American Red Cross First Aid and CPR certifications. F, S

**KINE 2370 Care and Prevention of Athletic Injuries (3)**

Introduction to the prevention, recognition, evaluation, treatment, and rehabilitation of common musculoskeletal injuries and conditions. Laboratory experiences emphasize taping and bracing methods and techniques for preventing musculoskeletal injuries/ conditions. A 200 hour clinical observation component is required for students that intend to apply for admission to the Athletic Training Education Program.

**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,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. F,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 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,S

**KINE 3371 Evaluation of the Lower Extremity (3)**

Procedures and techniques for the recognition, assessment and evaluation of athletic injuries to the lower extremity. Emphasis is placed on the synthesis of information gathered through injury history, observation, palpation, testing range of motion, neurological and orthopedic examination. F Prerequisites: KINE 2306, 2370; BIOL 1306, 1307, 3350, 3352.

**KINE 3372 Evaluation of the Upper Extremity (3)**

Procedures and techniques for the recognition, assessment and evaluation of athletic injuries to the upper extremity. Emphasis is placed on the synthesis of information gathered through injury history, observation, palpation, testing range of motion, neurological and orthopedic examination. S Prerequisites: KINE 2306, 2370; BIOL 1306, 1307, 3350, 3352.

**KINE 3373 Tissue Pathology and Pharmacology (3)**

This course addresses the affects of acute and chronic illness and their response to, and impact on, physical activity. Pharmacologic intervention used in the care of general illnesses and musculoskeletal disorders in the physically active will also be studied as it relates to the knowledge base of the entry-level athletic trainer. S '11 Prerequisites: KINE 2306, 2370; BIOL 1306, 1307, 3350, 3352.

**KINE 3374 General Medical Conditions in the Athlete (3)**

Students will gain knowledge, skills, and values that the entry-level certified athletic trainer must possess to recognize, treat, and refer, when appropriate, the general medical conditions and disabilities of athletes and others involved in physical activity.

Includes learning and demonstrating general physical exam screening skills appropriate for entry-level athletic trainers. F '09 Prerequisites KINE 2306, 2370; BIOL 1306, 1307, 3350, 3352.

**KINE 4175 Seminar in Athletic Training (1)**

The advanced preparation of scholarly writing complimenting discussion of topics and issues related to the field of athletic training. Emphasis is on professional preparation, employment, credentialing, governance, ethics, and scope of practice. Prereq KINE 2306, 2370, 3371, 3372, 3373, 3374, 4370, 4372, 4375.

**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 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'10

**KINE 4355 Psychology of Injury (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'10

**KINE 4364 Exercise and Nutrition (3)**

An in-depth examination of the nutritional effects that enhance exercise or sports performance. The class is designed to enhance the student's knowledge of the nutritional needs of athletes as well as possible 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'10, F'11.

**KINE 4365 Concepts in Strength & Conditioning (3)**

The class is designed to enhance the student's understanding of the physiological and biomechanical aspects of strength and fitness training methods. It will focus specifically on adaptations associated with aerobic, anaerobic and resistance training exercise programs. Prerequisite: KINE 2385, KINE 3340 and KINE 3350

**KINE 4370 Therapeutic Modalities (3)**

In-depth study of the application of therapeutic physical agents and modalities treatment used in the care and rehabilitation of musculoskeletal injuries and conditions. The course will also focus on cognitive knowledge, psychomotor skills that are used in the application of cryotherapy, hydrotherapy, and electrotherapy. Prerequisite: KINE 2370 or equivalent. S.

**KINE 4371 Organization and Administration in Athletic Training (3)**

This course addresses the organization and administration of an athletic training program as a component of the overall health care of athletes and the physically active. Emphasis includes the objectives, principles and problems the are encountered in the management of a comprehensive athletic training program. F '10 Prerequisites:KINE 2306, 2370; BIOL 1306, 1307, 3350, 3352.

**KINE 4372 Rehabilitation of Athletic Injuries (3)**

Students will learn and initiate the principles and goals of common rehabilitative techniques and procedures of athletic injuries and therapeutic exercise. Emphasis will include holistic and evidence-based approaches to the application of techniques and procedures. F Prerequisites: KINE 2370, 3340; BIOL 3350, 3352.

**KINE 4395 Practicum in Athletic Training (0.5)**

Students will engage in supervised clinical activities associated with professional athletic training practice over 6 semesters. Activities will take place on and off campus. Emphasis focuses on the advancement of cognitive learning and psychomotor skills into application in clinical practice. F S SU

**Program Faculty**

**James Eldridge, Ed.D.** is the Chairperson of the Kinesiology Department, in which the B.S. in Athletic Training degree program is housed.

**Richard Lloyd, Ed.D.** is the Program Director of the Athletic Trainer Education Program (ATEP). Dr. Lloyd has a Bachelor's degree in Physical Education with a minor in Athletic Training, a Master's degree in Physical Education, and a doctorate in Educational Leadership. He has been certified by the National Athletic Trainers Association as an athletic trainer since 1982 and has athletic training licenses in Texas and New Mexico. Dr. Lloyd served as an athletic trainer for ten years at the high school level and for seventeen years at the college level.

**Kazuhiko Yanagi** is the Head Athletic Trainer. He has a Bachelor of Science in Physical Education, and a Master of Arts in Physical Education. He has been certified by the National Athletic Trainers Association as an athletic trainer since 2004, as a Certified Strength and Conditioning Specialist since 2006, and has had athletic training licenses in Texas and Nebraska.

Degree plans are listed on the following pages according to the tracks of study within Athletic Training. First is the Bachelor of Science in Athletic Training with a Biology minor, and no certification. The second is the Bachelor of Science in Athletic Training with a Biology minor and teaching certification in Physical Education or Biology.

Speak to your advisor about your career plans and the degree you should pursue. More information about the Kinesiology Department and course offerings can be found in the Bachelor of Science in Kinesiology section of this catalog.

## DEGREE PLAN: BACHELOR OF SCIENCE IN ATHLETIC TRAINING WITH A BIOLOGY MINOR

Name: \_\_\_\_\_

**Transfer Hours from Other Institutions:**

Lower Transfer Hours \_\_\_\_\_  
Upper Transfer \_\_\_\_\_  
Total \_\_\_\_\_

**GENERAL EDUCATION REQUIREMENTS (44 sch)**

(Please refer to the catalog for specific course choices to fill the requirements.)

- \_\_\_ English Composition 1301 & 1302 (6 sch)
- \_\_\_ Literature (3 sch) 2322, 2323, 2327, 2328
- \_\_\_ U.S. History 1301 & 1302 (6 sch)
- \_\_\_ Political Science 2305 & 2306 (6 sch)
- \_\_\_ **BIOL 1306/1106 AND BIOL 1307/1107**
- \_\_\_ Mathematics (college algebra or above)(3 sch)
- \_\_\_ Mathematics (math, statistics) (3 sch)
- \_\_\_ Visual or Performing Art (3 sch)
- \_\_\_ Communication (3 sch)
- \_\_\_ Social Science (3 sch) PSYC 1301 Recommended

**NOTES ON GRADUATING:**

1. 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. At least 30 sch must be completed at U.T.P.B. and at least 24 of the last 30 must be taken at U.T.P.B.
3. At least 48 sch must be taken at the upper level.
4. Students majoring in Athletic Training are required to complete a Biology minor, which usually consists of 18 sch.
5. Earn at least a C grade in ALL Kinesiology courses. Maintain at least a GPA of 2.0 or C in all courses applicable toward the degree in Kinesiology.
6. Earn at least a C grade in BIOL 1306/1106 and BIOL 1307/1107

**MINOR: BIOLOGY**

1. BIOL 1306/1106 \_\_\_\_\_
2. BIOL 1307/1107 \_\_\_\_\_
3. BIOL 3350/3151(4) \_\_\_\_\_
4. BIOL 3352/3153(4) \_\_\_\_\_
5. BIOL 4340 w/res (3) \_\_\_\_\_
6. BIOL 4342 w/Res (3) \_\_\_\_\_

\*Athletic Training Majors transferring in 2000 level Anatomy and Physiology must take an additional 3 sch upper level Biology course.

\*\*The KINE 1109 Forms of Movement credits DO NOT apply to the total semester credit hours in the major, but DO count toward the 120 sch for the BS degree.

\_\_\_\_\_  
Student Signature                      Date

\_\_\_\_\_  
Advisor Signature                      Date

UID: \_\_\_\_\_

**I. KINESIOLOGY COURSES 28 SCH**

- \_\_\_ KINE 1109 Forms of Movement courses\*\*
- \_\_\_ KINE 1301 Concepts in Fitness and Health
- \_\_\_ KINE 2306 First Aid
- \_\_\_ KINE 2370 Care and Prevention of Athletic Injuries (*prereq BIOL 3350/3151 AND BIOL 3352/3153*)
- \_\_\_ KINE 3340 Analysis of Human Movement (*prereq BIOL 3350/3151 AND BIOL 3352/3153*)
- \_\_\_ KINE 3350 Exercise Physiology (*prereq BIOL 3350/3151 AND BIOL 3352/3153*)
- \_\_\_ KINE 3151 Lab: Exercise Physiology (*taken with KINE 3350*)
- \_\_\_ KINE 4355 Psychology of Injury
- \_\_\_ KINE 4364 Exercise and Nutrition (*prereq BIOL 3350/3151 AND BIOL 3352/3153*)
- \_\_\_ KINE 4365 Concepts in Strength and Conditioning (*prereq BIOL 3350/3151, BIOL 3352/3153, KINE 3340, KINE 3350*)

**II. ATHLETIC TRAINING REQUIRED CORE COURSES: 27 sch**

- \_\_\_ KINE 1200 Introduction to Athletic Training
- \_\_\_ KINE 2195 Athletic Training Practicum 1A
- \_\_\_ KINE 2196 Athletic Training Practicum 1B
- \_\_\_ KINE 3371 Evaluation of the Lower Extremity (*prereq KINE 2306, 2370, BIOL 3350/3151, BIOL 3352/3153*)
- \_\_\_ KINE 3372 Evaluation of the Upper Extremity (*prereq KINE 2306, 2370, BIOL 3350/3151, BIOL 3352/3153*)
- \_\_\_ KINE 3374 General Medical Conditions in the Athlete (*prereq KINE 2306, 2370, BIOL 3350/3151, BIOL 3352/3153*)
- \_\_\_ KINE 3195 Athletic Training Practicum 2A
- \_\_\_ KINE 3196 Athletic Training Practicum 2B
- \_\_\_ KINE 4175 Seminar in Athletic Training (*prereq KINE 2306, 2370, 3371, 3372, 3373, 3374, 4370, 4372, 4375*)
- \_\_\_ KINE 4370 Therapeutic Modalities (*prereq KINE 2370*)
- \_\_\_ KINE 4375 Principles of Athletic Administration (*prereq KINE 2306, 2370, BIOL 3350/3151, BIOL 3352/3153*)
- \_\_\_ KINE 4372 Rehabilitation of Athletic Injuries (*prereq KINE 2370, 3340, BIOL 3350/3151, BIOL 3352/3153*)
- \_\_\_ KINE 4195 Athletic Training Practicum 3A
- \_\_\_ KINE 4196 Athletic Training Practicum 3B

**III. Electives: 7 sch**

- \_\_\_ Upper level elective \_\_\_\_\_
- \_\_\_ Upper level elective \_\_\_\_\_

**\*\*Forms of Movement Requirements: 3 courses**

- \_\_\_ KINE 1112 Aerobic Activities OR
- \_\_\_ KINE 1156 Aerobics
- \_\_\_ KINE 1115 Beg/Adv Swimming
- \_\_\_ KINE 1159 Weight Training

January 2011

# DEGREE PLAN: BACHELOR OF SCIENCE IN ATHLETIC TRAINING w/ BIOLOGY Certification

NAME: \_\_\_\_\_  
 CERTIFICATION \_\_\_\_\_ Yes \_\_\_\_\_ No  
 \_\_\_\_\_ EC-4 \_\_\_\_\_ 4-8 \_\_\_\_\_ 8-12 \_\_\_\_\_ All-Level

SID#: \_\_\_\_\_ Semester Admitted: \_\_\_\_\_  
 TASP STATUS: \_\_\_\_\_ Passed \_\_\_\_\_ Liabile \_\_\_\_\_ Exempt  
 \_\_\_\_\_ Reading \_\_\_\_\_ Writing \_\_\_\_\_ Math

TRANSFER HOURS FROM OTHER INSTITUTIONS:  
 Lower division total.....  
 Upper division total .....  
 Total hours counted toward degree .....

GENERAL EDUCATION REQUIREMENTS (44 SCH):  
 \_\_\_ English Composition, 6 credits 1301 & 1302  
 \_\_\_ Literature, 3 credits 2322, 2323, 2327, 2328  
 \_\_\_ U.S. History, 6 credits 1301 & 1302 recommended  
 \_\_\_ U.S. & State Government, 6 credits 2305 & 2306  
 \_\_\_ BIOL 1306/1106 AND BIOL 1307/1107  
 \_\_\_ Mathematics (college algebra or above) 3 credits  
 \_\_\_ Mathematics (math or stats recommended) 3 credits  
 \_\_\_ Communication: COMM 1315, 3 credits  
 \_\_\_ Visual/Performing Arts, 3 credits  
 \_\_\_ Social Science, 3 credits

**NOTES ON GRADUATING:**

1. Read the UT 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 hours must be completed at UT Permian Basin.
4. Obtain at least a "C" grade in all Kinesiology courses. Maintain at least a grade point average of 2.0 or "C" in all courses applicable toward the degree in Kinesiology.
5. Students majoring in Athletic Training are required to complete an academic minor, which usually consists of 18 SCH. Please consult the appropriate 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.
6. Earn at least a "C" grade in Biology 1305/1106 and Biology 1307/1107.

MINOR (or second teaching field): Biology  
 (23 sch, 7 new sch)

7. Biology I and lab (4) \_\_\_\_\_
8. Biology II and lab (4) \_\_\_\_\_
9. Anatomy w/lab (4) \_\_\_\_\_
10. Physiology w/lab (4) \_\_\_\_\_
11. Genetics w/lab (4) \_\_\_\_\_
12. Evolution (3) \_\_\_\_\_

\*\*The KINE 1109 Forms of Movement credits DO NOT apply to the sch total in the major, but DO count toward 120.

Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

Date: \_\_\_\_\_

ATHLETIC TRAINING DEGREE REQUIREMENTS;  
 Prerequisites for KINE 3340; KINE 3350;  
 \_\_\_ BIOL 3350/3151 Human Anatomy & Lab (4 sch) AND  
 \_\_\_ BIOL 3352/3153 Human Physiology & Lab (4 sch)

Athletic Training Required Courses (56sch)  
 \_\_\_ KINE 1109 Forms of Movement Courses (3activities)\*\*  
 \_\_\_ KINE 1301 Concepts in Fitness and Health  
 \_\_\_ KINE 2306 First Aid  
 \_\_\_ KINE 2370 Care & Prevention of Athletic Injuries  
 \_\_\_ KINE 3340 Ana of Human Move (Prereq BIOL 3350/3151, 3352/3153)  
 \_\_\_ KINE 3350 Ex Physiology (Prereq BIOL 3350/3151,3352/3153)  
 \_\_\_ KINE 3151 Lab: Exercise Physiology (taken with KINE 3350)  
 \_\_\_ KINE 3371 Evaluation of the Lower Extremity  
 \_\_\_ KINE 3372 Evaluation of the Upper Extremity  
 \_\_\_ KINE 3373 Tissue Pathology and Pharmacology  
 \_\_\_ KINE 3374 General Medical Conditions in Athletes  
 \_\_\_ KINE 4175 Seminar in Athletic Training  
 \_\_\_ KINE 4320 Psychology of Sport or KINE 4350 Psychology of Exercise  
 \_\_\_ KINE 4355 Psychology of Injury  
 \_\_\_ KINE 4364 Exercise and Nutrition  
 \_\_\_ KINE 4365 Concepts in Strength & Conditioning  
 \_\_\_ KINE 4370 Therapeutic Modalities  
 \_\_\_ KINE 4371 Organization and Administration of Athletic Training  
 \_\_\_ KINE 4372 Rehabilitation of Athletic Injuries  
 \_\_\_ KINE 4395 Practicum/Athletic Training (6x0.5 credit sections)

Elective: (6 sch)  
 \_\_\_ Upper Level Open Elective \_\_\_\_\_  
 \_\_\_ Upper Level Open Elective \_\_\_\_\_

Forms of Movement Requirements: 3 Courses  
 KINE 1112 Aerobic Activities or KINE 1156 Aerobics \_\_\_\_\_  
 KINE 1115 Beg/Adv Swimming \_\_\_\_\_  
 KINE 1159 Weight Training \_\_\_\_\_

Certification Requirements:  
 Phase I: Teacher Education Core:  
 PSYC 3341  
 EDUC 3352  
 EDUC 3362  
 \*Apply for program admission prior to registration for Phase II

Phase II:  
 EDUC 4326.  
 \*Take diagnostic tests for the TExES when finishing this phase.

Phase III  
 EDUC 4332  
 EDUC 4333  
 EDUC 4334  
 \*Take/pass All-Level P.E. TExES. Apply for student teaching

Phase IV  
 EDUC 4686 (Student Teaching) \_\_\_\_\_  
 EDUC 4099 (Seminar): \_\_\_\_\_  
 \*Take/pass EC-12 PPR TExES if not previously taken/passed

# BIOLOGY



## **Douglas P. Henderson, PhD**

### **Professor of Biology**

Dr. Henderson is a microbiologist who studies two intestinal pathogens, *Vibrio cholerae* and *Plesiomonas shigelloides*. His research concerns how these pathogens acquire iron from heme, the iron-containing component of hemoglobin. He is also working on the development of 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 Biology 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 and secondary teaching; research in basic and applied biological sciences; medicine; veterinary medicine; chiropractic medicine; dentistry; optometry; pharmacy; 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). Biology for Non-majors (BIOL 1308, 1108) is appropriate for, in part, meeting the University general education requirements of two laboratory science courses. BIOL 1308 and 1108 are recommended for students whose major or minor is not in Biology and whose degree program does not require BIOL 1306/1106 and 1307/1107. Some majors not in Biology, for example Kinesiology, do specifically require their students to take BIOL 1306-1106 and 1307-1107, and will not accept BIOL 1308-1108 in their place; if in doubt, students should consult their academic advisor in their major to ascertain whether BIOL 1306-1106 and 1307-1107 are required for their major.

The Biology program features three basic degree plans: a Pre-professional Plan, a Teaching Certification Plan and a General Studies Plan. Students planning a major in Biology should consult with their initial 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. The total number of upper level hours applicable to the BS in Biology must be at least 48 credit hours but may be more in a specific degree plan. 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 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

#### **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 2325/2125 and PHYS 2326/2126 are required by some health professional programs and strongly recommended for all majors on the Pre-professional Plan, or PHYS 1301/1101 and 1302/1102  
Literature: Survey course preferably at the upper (3000) level  
Capstone: History and Philosophy of Science 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 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 3310-3111	Invertebrate Zoology with Lab or
BIOL 3321-3113	Vertebrate Zoology with Lab
BIOL 4320	Cell Biochemistry
BIOL 4340-4141	Genetics with recitation and Genetics lab
BIOL 4342	Evolution with recitation
BIOL 4352-4153	Animal Physiology with Lab

Total required upper level hours: 22

### 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, Track in Molecular Biology**

The major in Biology with the track in Molecular Biology is well suited for students who wish to enter any of the health professional fields such as medicine, dentistry, veterinary, and pharmacy, pursue academic studies at the graduate level in related molecular biological or gain employment in biotechnology areas after obtaining their baccalaureate degree. The track in Molecular Biology consists of a minimum of 46 hours with at least 38 hours taken at the upper level. A minor is not required.

#### **Core required Biology courses (equivalent to Pre-professional Plan):**

BIOL 1306/1106 General Biology I	4
BIOL 1307/1107 General Biology II	4
BIOL 3300/3101 Microbiology <i>or</i>	
BIOL 3324/3125 Cell Biology	4
BIOL 3310/3111 Invertebrate Zoology <i>or</i>	
BIOL 3312/3113 Vertebrate Zoology	4
BIOL 4320 Biochemistry	3
BIOL 4340/4141 Genetics	4
BIOL 4342 Evolution	3
BIOL 4352/4153 Animal Physiology	4
BIOL 3xxx or 4xxx Biology elective	3-4
<b>Total hours in Biology core:</b>	<b>33-34</b>

#### **Molecular Biology track:**

BIOL 3300/3101 Microbiology <i>or</i>	
BIOL 3324/3125 Cell Biology (whichever not taken above):	4
BIOL 4322 Molecular Biology	3
Choose any two of the following:	
BIOL 4301 Virology	3
BIOL 4303 Nutrition	3
BIOL 4323 Immunology	3
BIOL 4362/4163 Histology	4

**Total additional hours, Molecular Biology track:** 13-14

**Total hours, Biology major w/Molecular Biology track:** 46-48

## Degree Requirements, Track in Organismal Biology

The major in Biology with the track in Organismal Biology is well suited for students who wish a broad grounding across the classical biological sciences with special interests in natural history, evolution, systematics, behavioral biology, field biology, and other environmentally related sciences. Such a background allows students to be broadly prepared for graduate work in many biological and environmental areas. The track in Organismal Biology consists of a minimum of 46 hours with at least 38 hours taken at the upper level. A minor is not required.

### Core required Biology courses (equivalent to Preprofessional Plan):

BIOL 1306/1106 General Biology I	4
BIOL 1307/1107 General Biology II	4
BIOL 3300/3101 Microbiology <i>or</i> BIOL 3324/3125 Cell Biology	4
BIOL 3310/3111 Invertebrate Zoology <i>or</i> BIOL 3312/3113 Vertebrate Zoology	4
BIOL 4320 Biochemistry	3
BIOL 4340/4141 Genetics	4
BIOL 4342 Evolution	3
BIOL 4352/4153 Animal Physiology	4
BIOL 3xxx or 4xxx Biology elective	3-4
<b>Total hours in Biology core:</b>	<b>33-34</b>

### Organismal Biology track:

BIOL 3310/3111 Invertebrate Zoology <i>or</i> BIOL 3312/3113 Vertebrate Zoology (whichever not taken above):	4
BIOL 3230/3231 Botany	4
Choose any two of the following:	
BIOL 4354 Animal Behavior	3
BIOL 4372 Ecology	3
BIOL 4375 Field Biology	3

**Total additional hours, Organismal Biology track:** 1

**Total hours, Biology major w/Organismal Biology track:** 47-48

### Support courses for both Molecular and Organismal Tracks (in common with Preprofessional and General Studies plans of the existing Biology major)

MATH 2413 Calculus I	4
MATH 2414 Calculus II	4
CHEM 1311/1111 General Chemistry I	4
CHEM 1312/1112 General Chemistry II	4
CHEM 3311/3113 Organic Chemistry I	4
CHEM 3312/3114 Organic Chemistry II	4
PHYS 2325/2125 or PHYS 1301/1101 Physics I	4
PHYS 2325/2126 or PHYS 1302/1102 Physics II	4

## 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 the Biology Minor.

### General Education Requirements, Teacher Certification Plan, grades 8-12 44 sch

Students majoring in Biology on the Teacher Certification Plan should complete the requirements in the General Education Requirements section on pages 51-52 of this catalog, including the following specific courses

General Chemistry I and II, CHEM 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

Capstone: History and Philosophy of Science, NTSC 4311

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 or BIOL 3324-3125	Microbiology with lab Cell Biology with lab
BIOL 4340	Genetics with recitation (lab not required)

BIOL 4342 Evolution with recitation

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 3312-3113 Vertebrate Zoology with lab; BIOL 3230-3231, Botany with lab; BIOL 3350-3151, Human Anatomy with lab; BIOL 3352-3153, Human Physiology with lab; or BIOL 4354, Animal Behavior.

### **Degree Requirements, Teacher Certification, Grades EC-6 and 4-8**

The Teaching Certification Plans for Early Childhood – grade 6 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-6 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-6 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-6 or 4-8 should complete the requirements in the General Education Requirements section on pages 50-51 of this catalog, with particular specifications as outlined in the supporting requirements below.

### **Additional Requirements, Teacher Certification Plans for EC-6 or 4-8**

Students seeking certification in EC-6 or 4-8 with Biology as their major have the following supporting requirements:

EDUC 4327	Literacy Assessment and Intervention
MATH 1314, MATH 1350, and MATH 2350	College Algebra, Foundations of Elementary Mathematics I and II (EC-6 can substitute Statistics for MATH 2350)
CHEM 1311-1111 and CHEM 1312-1112	General Chemistry I and II
NTSC 4311	Capstone: History and Philosophy of Science

### **Computer Use**

Students seeking certification in EC-6 or 4-8 must demonstrate a basic use of computing through completion of COSC 1335.

### **Major Requirements, Teacher Certification Plan, EC-6 and 4-8**

Students seeking certification in EC-6 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 with recitation (lab not required)
BIOL 4342	Evolution with recitation
BIOL 3372	Principles of Ecology

Choose among the following as electives: BIOL 3310-3111, Invertebrate Zoology with lab; BIOL 3312-3113 Vertebrate Zoology ; 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.

### Prerequisites to Health Professions Programs

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, physical therapy, 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 professional schools. To fulfill this mission, the health professions advising program offers the following services to interested students: academic advising; information regarding prerequisites, application, and admission to various health professional programs, especially those in Texas; some application materials; and in the case of eligible students, information and application assistance to the Joint Admission Medical Program (JAMP). The Health Professions Advisory Committee annually conducts mock interviews for interested applicants to medical and dental schools. Please refer to the Health Professions Advisor at The University of Texas of the Permian Basin for further information.

**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 that reflects their academic interests and abilities. Nevertheless, most health professional programs require certain courses in mathematics and the natural sciences that must be taken as undergraduate prerequisites in addition to a student's major requirements if those courses are not otherwise taken for the degree. 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 a career in one of the health profession, regardless of major, should contact the health professions advisor for appropriate pre-professional advising.

The health professional schools have, as requirements before an applicant may submit an application to their programs, a minimum number of undergraduate semester credit hours ranging from 60 to 90, depending on the program. The minimum number of hours to apply, however, is not the same as all the hours that are sufficient to gain acceptance. In practice, applicants with these minimum requirements rarely receive admission; a baccalaureate degree is usually highly desirable and in a few cases required, so 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 the minimum requirements for entry into the various health professional programs in the State of Texas. This guide is only approximate, and schools occasionally change their prerequisites. Students should contact the University Health Professions Advisor or the individual professional school for more complete or updated information. Entry into these programs is very competitive. Following the course equivalency guide does not guarantee acceptance into a professional school. Therefore, students should choose a major that prepares them for alternative career choices.

## Pre-professional Course Requirements for Health Professional Schools in Texas

With minor exceptions, all of the doctoral-granting health professional schools in Texas (medicine, dentistry, chiropractic medicine, optometry, pharmacy, veterinary medicine) require the following block of undergraduate prerequisites. For laboratory courses, the laboratory component is required. Below the table of common prerequisites, additional or special requirements for various schools are summarized as conveniently as possible.

<u>Course Requirement Subject and Hours</u>	<u>UTPB Course Equivalent</u>
English Composition I and II (6 sch)	ENGL 1301, ENGL 1302
General Biology I and II with lab (8 sch)	BIOL 1306-1106, BIOL 1307-1107
General Chemistry I and II with lab (8 sch)	CHEM 1311-1111, CHEM 1312-1112
Organic Chemistry I and II with lab (8 sch)	CHEM 3411-3113, CHEM 3412-3114
Physics I and II with (8 sch) (some programs require calculus-based physics)	PHYS 2325-2125, PHYS 2326-2126 or PHYS 1301-1101, PHYS 1302-1102
Calculus I and Statistics require	MATH 2413 and MATH 3301 (most programs require)
Advisor)	MATH Statistics; consult Health Professions

### Additional Course Requirements, by Health Professional program

Minimum two upper level Biology courses

- All medical schools except UT-San Antonio require two upper level Biology courses but make no specifications
- The following medical schools – Texas A&M, Texas College of Osteopathic Medicine, Texas Tech-Lubbock, Foster
- School of Medicine (Texas Tech-El Paso), University of Texas-San Antonio – require MATH or STAT statistics
- Texas Tech-Lubbock, Foster School of Medicine (Texas Tech-El Paso), and UT-San Antonio require Biochemistry (BIOL 4320)
- Special required courses:
  - BIOL 3300-3101, Microbiology with lab (4 sch), optometry, pharmacy, veterinary medicine
  - BIOL 4303, Nutrition (3 sch), veterinary medicine
  - BIOL 3350-3151 and 3352-3153, Human Anatomy & Physiology with lab (8 sch), optometry, pharmacy
  - BIOL 4320, Biochemistry (3 sch), dentistry, optometry, veterinary, and UT-San Antonio medicine
  - BIOL 4340-4141, Genetics with lab (4 sch), pharmacy, veterinary medicine
- ENGL 23xx, Survey of X Literature (3 sch), required by pharmacy, veterinary medicine
- COSC 1335, Computers & Problem Solving (3 sch), required by chiropractic medicine
- PSYC 1301, Intro. to Psychology (3 sch), required by chiropractic medicine, optometry
- Various additional but often unspecified hours in humanities and social sciences (Psychology, Sociology) required by chiropractic medicine, pharmacy, and veterinary medicine

### **Important notes:**

1. All science prerequisite courses (Biology, Chemistry, Physics) must be the courses required for science majors; for example, BIOL 1308-1108, Biology for Non-Science Majors, and CHEM 1301-1101, Chemistry in Context, are not accepted as prerequisites.

2. Remedial, developmental, or "English as a second language" courses are not accepted as prerequisites; for example, ENGL 0399, MATH 0398, MATH 0399, and CHEM 1305, Intro to Chemistry, are not accepted.
3. University of Houston College of Optometry requires both Calculus and Statistics.

## Clinical Laboratory Science Transfer Program

The University of Texas Medical Branch, in conjunction with The University of Texas-Permian Basin, offers a degree in Clinical Laboratory Science. Students in this program complete the first 60 hours of the degree program at The University of Texas-Permian Basin and then apply to transfer to The University of Texas Medical Branch. Courses in the second 60 hours of the program are taught at The University of Texas-Permian Basin campus using video-conference lectures from the University of Texas Medical Branch. The laboratory portion of the UTMB courses are taught at The University of Texas-Permian Basin campus. A required clinical preceptorship is completed at a hospital in the Permian Basin. Required courses in the first 60 hours taken at the University of Texas-Permian Basin must include:

ENGL	1301	Composition 1
ENGL	1302	Composition 2
ENGL	2xxx	A 2000 level literature course
HIST	1301	U. S. History to 1877
HIST	1302	U. S. History since 1877
PLSC	2305	American National Politics
PLSC	2306	State and Local Politics
BIOL	1306/1106	General Biology 1 and Lab
BIOL	1307/1107	General Biology 2 and Lab
CHEM	1311/1111	General Chemistry 1 and Lab
CHEM	1312/1112	General Chemistry 2 and Lab
BIOL	3300/3101	Microbiology and Lab
BIOL	3352/3153	Human Physiology and Lab
MATH	1314 or higher	College Algebra or Higher
SOCI/PSYC	SOCI 1301 or PSYC 1301	Introduction to Sociology or Introduction to Psychology
ARTS	1301 (or course in Humanities)	Art Appreciation or other course in the humanities
Electives	7 hours	

## 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 with recitation (lab not required)
BIOL 4342	Evolution with recitation
BIOL 3350-3151 or 3312-3113	Human Anatomy or Vertebrate Zoology (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 1301/1101 and 1302/1102 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 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 21.

Students earning a minor in Biology must take a minimum of 21 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 with recitation (lab not required)
BIOL 4342	Evolution with recitation

Choose two of the following as electives, but no more than one course from each group of "or" choices:

BIOL 3300-3101	Microbiology with lab	or
BIOL 3324-3125	Cell Biology with lab	
BIOL 3310-3111	Invertebrate Zoology with lab	or
BIOL 3230-3231	Botany with lab	or
BIOL 3312-3113	Vertebrate Zoology 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 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, 48 of which must be upper-level, are required for the Bachelor's degree.

### **TEExES 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, 4340, 4342; CHEM 1311-1111, 1312-1112, and 3411/3113; 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; GEOL 1301/1101, 1302/1102; PHYS 1301/1101 and 1302/1102 or PHYS 2325/2125 and 2326/2126; 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; PHYS 1301/1101; NTSC 4311; and 9-12 hours of science electives.

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 2350 or 2412, 2413, 2414, 3301, 3305, 3308, 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)†**

Introduction to the biological sciences, with emphasis on the structure, function, and physiology of the cell: genetics, and bioenergetics. The first of the two semester freshman biology sequence for Biology majors and minors, and all disciplines that require the majors Biology sequence, although students of all majors may take it to fulfill general education science requirements. Corequisite: BIOL 1106 FS 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) †**

Introduction to the biological sciences, with emphasis on the biology of organisms, their evolution, and the environment. The second of the two semester freshman biology sequence for Biology majors and minors, and all disciplines that require the majors Biology sequence, although students of all majors may take it to fulfill general education science requirements. Prerequisite: BIOL 1306/1106. Corequisite: BIOL 1107 FS .

**BIOL 1107 General Biology II Laboratory (1) †**

Laboratory methods for the study of the structure, function, and the environment of organisms. Corequisite: BIOL 1307. FS

**BIOL 1308 Biology for Non-Science Majors (3)†**

A survey of the fundamental principles that apply to living organisms. These include cell structure and function, genetics, evolution, physiology, biodiversity, and ecology. Biology majors and minors cannot substitute BIOL 1308 for either BIOL 1306 or 1037. BIOL 1308 cannot be used as a prerequisite for any upper level biology course. Corequisite: BIOL 1108 FS

**BIOL 1108 Biology for Non Science Majors Laboratory (1)†**

The laboratory will provide practical and interactive experiment and demonstrations of concepts covered in BIOL 1308. Biology majors and minors cannot substitute BIOL 1108 for either BIOL 1106 or 1107. BIOL 1108 cannot be used as a prerequisite for any upper level biology course. Corequisite BIOL 1308 FS

**BIOL 3300 Microbiology (3)**

Growth, morphology, metabolism and ecology of microorganisms. Prerequisites: BIOL 1306-1106, 1307-1107; CHEM 1311-1111, 1312-1112. Corequisite: BIOL 3101. S

**BIOL 3101 Microbiology Laboratory (1)**

Techniques for the study of microorganisms. Corequisite: BIOL 3300. S

**BIOL 3195 Health Professions Internship (1)**

Student does volunteer work for the semester through the Volunteer Service Department at Medical Center Hospital, Odessa. A good course for students interested in the health professions to gain experience. Approval of instructor.

**BIOL 3196 Supervised Laboratory Teaching (1)**

Upper-level undergraduates provide teaching assistance in General Biology or other designated Biology lab sections. The lab instructor supervises the student, establishes curricular duties (grading, etc.), and remains in charge of the lab as instructor of record. Good experience for students seeking teaching certification. Prerequisites: A grade of at least B in the lab course oneself, plus permission of supervising lab instructor. F,S

**BIOL 3197 Pre-professional Seminar (1)**

This 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 3198 Seminar (1)**

Interaction and small group discussions of varied topics in biology. Prerequisites: BIOL 1306-1106; BIOL 1307-1107. S

**BIOL 3310 Invertebrate Zoology (3)**

A survey of the morphology, physiology, phylogeny and natural history of major invertebrate phyla.

Prerequisites: BIOL 1306-1106, BIOL 1307-1107. Corequisite: BIOL 3111. 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 3312 Vertebrate Zoology (3)**

A survey of the vertebrates, including classification, life history, ecology, evolution, morphology, and

physiology. Prerequisites: BIOL 1306-1106, BIOL 1307-1107. S

**BIOL 3113 Vertebrate Zoology Laboratory (1)**

Laboratory and field studies of vertebrates including identification, classification, life history, and

morphology. Corequisites: BIOL 3312. S

**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.

Corequisite: BIOL 3125. 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. Corequisite: BIOL 3231. S

**BIOL 3231 Botany Laboratory (2)**

Morphology and taxonomy of the major plant groups. Corequisite: 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. Corequisite: BIOL 3151. 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. Corequisite: 3153. 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 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 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.

**BIOL 4303 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 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 4322 Molecular Biology (3)**

An introduction to key concepts in molecular biology. Topics include DNA structure and function, DNA replication and repair, regulation of gene expression, protein structure and function, and molecular techniques utilized for nucleic acid and protein purification and manipulation. Prerequisites: BIOL 1306-1106, BIOL 1307-1107, CHEM 1311-1111, CHEM 1312-1112. Recommended: BIOL 4320

**BIOL 4323 Immunology (3)**

Structure and function of the mammalian immune system. Prerequisite: BIOL 3300-3101, BIOL 4320 and BIOL 4340. Offered alternate years.

**BIOL 4340 Genetics (3)**

Structures and functions of hereditary material, emphasizing recent developments. BIOL 1306-1106, BIOL 1307-1107; 6 upper level hours of Biology passed with a C or better; Corequisite: Genetics Recitation; BIOL 4141 for Biology majors on Preprofessional Plan. F S

**BIOL 4141 Genetics Laboratory (1)**

Laboratory experiences in manipulation of genetic systems and interpretation of data. Required for Biology majors on Preprofessional Plan. Corequisite: BIOL 4340. F S

**BIOL 4342 Evolution (3)**

Population variation and mechanisms of evolution and speciation. Students will spend three hours per week in lecture and one hour per week in a small group recitation. Prerequisite: BIOL 4340 passed with a grade of C or better. Co-requisite Evolution Recitation. F S

**BIOL 4352 Animal Physiology (3)**

Development, function and mechanism of action of the major physiological systems in animals. Prerequisite: BIOL 4320. Corequisite: BIOL 4153. S

**BIOL 4153 Animal Physiology Lab (1)**

Experiments and demonstrations of physiological phenomena. Corequisite: BIOL 4352. S

**Histology 4362 Histology (3)**

Microscopic representation of cells and tissues of different organ systems of the human body, with emphasis on structure and function. Prerequisite BIOL 3324 or permission of the instructor. Offered alternate years F

**Histology Lab 4163 (1)**

Microscopic examination of cells, tissues, and organs of the vertebrates, including humans. Preparation of microscope slides from tissue samples (histotechnique). Corequisite BIOL 4362

**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 4375 Field Biology (3)**

Experimental field biology methods. Prerequisites include successful completion of BIOL 3372 or BIOL 4372.

**BIOL 4395 Bioresearch (3)**

Individual undergraduate research directed by a faculty member of Biology. May be taken for 1, 2, or 3 hours of credit. Recommended prerequisites: BIOL 4320, 4340 and/or 4352. Consent of directing faculty is required. FS

† Course fulfills general education requirements.

# 2011-2013 DEGREE PLAN: BS IN BIOLOGY

## Pre-Professional Plan

		SCH	Upper Level	<u>Semester</u>	<u>Grade</u>
<b>GENERAL EDUCATION CORE</b>					
Composition I	ENGL 1301	3		_____	_____
Composition II	ENGL 1302	3		_____	_____
US History I	HIST 1301	3		_____	_____
US History II	HIST 1302	3		_____	_____
Govt., Amer. & State I	PLSC 2305	3		_____	_____
Govt., Amer. & State II	PLSC 2306	3		_____	_____
Literature (2000 level)	ENGL 23__	3		_____	_____
Social or Behavioral Science	_____	3		_____	_____
Communication	COMM 1315	3		_____	_____
Visual or Performing Arts	_____	3		_____	_____
<b>MAJOR: BIOLOGY, ≥ 36 hrs. total, ≥ 28 hrs. upper level</b>					
General Biology I	BIOL 1306/1106	4		_____	_____
General Biology II	BIOL 1307/1107	4		_____	_____
Micro- or Cell Biology	BIOL 3300/1 or 3324/5	4	4	_____	_____
Invert Zoo or Vert Zoology	BIOL 3310/1 or 3312/3	4	4	_____	_____
Biochemistry	BIOL 4320	3	3	_____	_____
Genetics w/recitation	BIOL 4340/4141	4	4	_____	_____
Evolution w/recitation	BIOL 4342	3	3	_____	_____
Animal Physiology	BIOL 4352/4153	4	4	_____	_____
BIOL electives:	_____	≥6	≥6	_____	_____
<b>SUPPORT REQUIREMENTS FOR BIOLOGY MAJOR</b>					
Calculus I	MATH 2413	4		_____	_____
Calculus II	MATH 2414	4		_____	_____
General Chemistry I	CHEM 1311/1111	4		_____	_____
General Chemistry II	CHEM 1312/1112	4		_____	_____
Organic Chemistry I	CHEM 3411/3113	5	5	_____	_____
Organic Chemistry II	CHEM 3412/3114	5	5	_____	_____
Physics I	PHYS 1301,1101 or PHYS 2325/2125	4		_____	_____
Physics II	PHYS 1302,1102 or PHYS 2326/2126	4		_____	_____
<b>SCIENCE &amp; MATHEMATICS DEPARTMENTAL REQUIREMENTS</b>					
Computer Programming	COSC 1335	3		_____	_____
Literature (Upper Level)	ENGL 33__	3	3	_____	_____
Capstone: Hist. & Phil. Sci.	NTSC 4311	3	3	_____	_____
Statistics: MATH 3301 (Recommended)		3	3	_____	_____
<b>MINOR: _____, ≥ 18 hrs. total, ≥ 12 hrs. upper level</b>					
<b>(refer to Discipline specifications)</b>					
Lower Level:	_____	≥6			
Upper Level:	_____	≥12	≥12		
	_____				
<b>TOTAL HOURS</b>				<b>≥120</b>	<b>≥48</b>

# 2011-2013 DEGREE PLAN: BS IN BIOLOGY

## General Studies Plan

	SCH	Upper Level	<u>Semester</u>	<u>Grade</u>
<b>GENERAL EDUCATION CORE</b>				
Composition I	ENGL 1301	3	_____	_____
Composition II	ENGL 1302	3	_____	_____
US History I	HIST 1301	3	_____	_____
US History II	HIST 1302	3	_____	_____
Govt., Amer. & State I	PLSC 2305	3	_____	_____
Govt., Amer. & State II	PLSC 2306	3	_____	_____
Literature (2000 level)	ENGL 23__	3	_____	_____
Social or Behavioral Science	_____	3	_____	_____
Communication	COMM 1315	3	_____	_____
Visual or Performing Arts	_____	3	_____	_____
<b>SUPPORT REQUIREMENTS FOR BIOLOGY MAJOR</b>				
Calculus I	MATH 2413	4	_____	_____
Calculus II	MATH 2414	4	_____	_____
General Chemistry I	CHEM 1311/1111	4	_____	_____
General Chemistry II	CHEM 1312/1112	4	_____	_____
Organic Chemistry I	CHEM 3411/3113	5	5	_____
Organic Chemistry II	CHEM 3412/3114	5	5	_____
Physics I	PHYS 2325/2125 or 1301/1101	4	_____	_____
Physics II	PHYS 2326/2126 or 1302/1102	4	_____	_____
<b>SCIENCE &amp; MATHEMATICS DEPARTMENTAL REQUIREMENTS</b>				
Computer Programming	COSC 1335	3	_____	_____
Literature (Upper Level)	ENGL 33__	3	3	_____
Capstone: Hist. & Phil. Sci.	NTSC 4311	3	3	_____
<b>MAJOR: BIOLOGY, ≥ 36 hrs. total, ≥ 24 hrs. upper level</b>				
General Biology I	BIOL 1306/1106	4	_____	_____
General Biology II	BIOL 1307/1107	4	_____	_____
Micro- or Cell Biology	BIOL 3300/1 or 3324/5	4	4	_____
Human Anatomy	BIOL 3350/1	4	4	_____
Human or Animal Physiology	BIOL 3352/1 or 4352/4153	4	4	_____
Organisms survey course	BIOL 3310/1 or 3312/3113 or 3230/3231	4	4	_____
Genetics with recitation	BIOL 4340	3	3	_____
Evolution with recitation	BIOL 4342	3	3	_____
BIOL electives:	_____	≥2	≥2	_____
<b>MINOR: _____, ≥ 18 hrs. total, ≥ 12 hrs. upper level</b>				
<b>(refer to Discipline specifications)</b>				
Lower Level:	_____	≥6		
Upper Level:	_____	≥12	≥12	
	_____			
<b>TOTAL HOURS</b>			<b>≥120</b>	<b>≥48</b>

# 2011-2013 DEGREE PLAN: BS IN BIOLOGY

## Molecular Biology Track

Subject	UTPB Course	Equiv., Institution	Hours	Grade	Total, Upper
<b>GENERAL EDUCATION CORE</b>					
<i>Composition I</i>	ENGL 1301	_____	3		_____
<i>Composition II</i>	ENGL 1302	_____	3		_____
<i>US History I</i>	HIST 1301	_____	3		_____
<i>US History II</i>	HIST 1302	_____	3		_____
<i>Govt., Amer. &amp; State I</i>	PLSC 2305	_____	3		_____
<i>Govt., Amer. &amp; State II</i>	PLSC 2306	_____	3		_____
<i>Literature (2000 level)</i>	ENGL 23--	_____	3		_____
<i>Social or Behavioral Science</i>	_____	_____	3		_____
<i>Speech</i>	COMM 1315	_____	3		_____
<i>Visual or Performing Arts</i>	_____	_____	3		_____
<b>Total hours in Gen Eds</b>					30
<b>MAJOR: BIOLOGY with Molecular Biology track, ≥ 46 hrs. total, ≥ 38 hrs. upper level Core Biology courses</b>					
<i>General Biology I</i>	BIOL 1306/1106	_____	4		_____
<i>General Biology II</i>	BIOL 1307/1107	_____	4		_____
<i>Micro- or Cell Biology</i>	BIOL 3300/1 or 3324/5	_____	4	4	_____
<i>Invert Zoology or Vert Zoology</i>	BIOL 3310/1 or 3312/3	_____	4	4	_____
<i>Biochemistry</i>	BIOL 4320	_____	3	3	_____
<i>Genetics</i>	BIOL 4340/4141	_____	4	4	_____
<i>Evolution w/recitation</i>	BIOL 4342	_____	3	3	_____
<i>Animal Physiology</i>	BIOL 4352/4153	_____	4	4	_____
<i>Biology elective (upper level)</i>	BIOL 3xxx or 4xxx	_____	≥3	≥3	_____
<b>Total hours in core Biology courses (assuming minimum 3 hrs elective)</b>			33	25	
<b>Molecular Biology track</b>					
<i>Micro- or Cell Biology (whichever not taken above)</i>				4	4
<i>Molecular Biology</i>	BIOL 4322			3	3
<i>Choose any two: Virology</i>	BIOL 4301		3		
<i>Nutrition</i>	BIOL 4303		3		
<i>Immunology</i>	BIOL 4323			3	6-7
<i>Histology w/lab</i>	BIOL 4362/4163				4
<b>Total additional hours as part of Molecular Biology track:</b>			13-14	13-14	
<b>Total hours, Biology major w/ Molecular track (assuming min 3 hrs elective above)</b>			46	38	
<b>SUPPORT REQUIREMENTS FOR BIOLOGY MAJOR</b>					
<i>Calculus I</i>	MATH 2413	_____	4		_____
<i>Calculus II</i>	MATH 2414	_____	4		_____
<i>General Chemistry I</i>	CHEM 1311/1111	_____	4		_____
<i>General Chemistry II</i>	CHEM 1312/1112	_____	4		_____
<i>Organic Chemistry I</i>	CHEM 3311/3113	_____	4	4	_____
<i>Organic Chemistry II</i>	CHEM 3312/3114	_____	4	4	_____
<i>Physics I</i>	PHYS 2325/2125	_____	4		_____
<i>Physics II</i>	PHYS 2326/2126	_____	4		_____
<b>Total support hours</b>					28
<b>SCIENCE &amp; MATHEMATICS DEPARTMENTAL REQUIREMENTS</b>					
<i>Computer Programming</i>	COSC 1335	_____	3		_____
<i>Literature (upper level)</i>	ENGL 33xx	_____	3	3	_____
<i>Capstone: Hist. &amp; Phil. Sci</i>	NTSC 4311	_____	3	3	_____
<i>Upper level elective or MATH Statistics</i>		_____	3	3	_____
<b>Total Departmental requirements:</b>					12
<b>Total hours for Biology major with Molecular Biology track (minimum)</b>			116	55	
<b>TRANSFER, ELECTIVE OR OTHER HOURS NOT LISTED ABOVE:</b>					
<i>Minimum 4 sch to complete bachelor's degree</i>					
<b>Total hours for B.S. degree with Major in Biology, Molecular Biology track ≥120</b>			≥48		



## 2011-2013 DEGREE PLAN: BS IN BIOLOGY

### Organismal Biology Track

Subject	UTPB Course	Equiv., Institution	Hours	Grade	Total, Upper
<b>GENERAL EDUCATION CORE</b>					
<i>Composition I</i>	ENGL 1301	_____	3	_____	
<i>Composition II</i>	ENGL 1302	_____	3	_____	
<i>US History I</i>	HIST 1301	_____	3	_____	
<i>US History II</i>	HIST 1302	_____	3	_____	
<i>Govt., Amer. &amp; State I</i>	PLSC 2305	_____	3	_____	
<i>Govt., Amer. &amp; State II</i>	PLSC 2306	_____	3	_____	
<i>Literature (2000 level)</i>	ENGL 23--	_____	3	_____	
<i>Social or Behavioral Science</i>	_____	_____	3	_____	
<i>Speech</i>	COMM 1315	_____	3	_____	
<i>Visual or Performing Arts</i>	_____	_____	3	_____	
<b>Total hours in Gen Eds</b>					30
<b>MAJOR: BIOLOGY with Organismal Biology track, ≥ 46 hrs. total, ≥ 38 hrs. upper level Core Biology courses</b>					
<i>General Biology I</i>	BIOL 1306/1106	_____	4	_____	
<i>General Biology II</i>	BIOL 1307/1107	_____	4	_____	
<i>Micro- or Cell Biology</i>	BIOL 3300/1 or 3324/5	_____	4	4	_____
<i>Invert Zoology or Vert Zoology</i>	BIOL 3310/1 or 3312/3	_____	4	4	_____
<i>Biochemistry</i>	BIOL 4320	_____	3	3	_____
<i>Genetics</i>	BIOL 4340/4141	_____	4	4	_____
<i>Evolution w/recitation</i>	BIOL 4342	_____	3	3	_____
<i>Animal Physiology</i>	BIOL 4352/4153	_____	4	4	_____
<i>Biology elective (upper level)</i>	BIOL 3xxx or 4xxx	_____	≥3	≥3	
<b>Total hours in core Biology courses (assuming minimum 3 hrs elective)</b>			33	25	
<b>Organismal Biology track</b>					
<i>Invert Zoo or Vert Zoo (whichever not taken above)</i>			4	4	
<i>Botany</i>	BIOL 3230/3231		4	4	
<i>Choose any two: Field Biology</i>	BIOL 4375		3		
<i>Animal Behavior</i>	BIOL 4354		3	6	6
<i>Ecology</i>	BIOL 4372		3		
<b>Total additional hours as part of Organismal Biology track:</b>			14	14	
<b>Total hours, Biology major w/Organismal track (assuming min 3 hrs elective above)</b>			47	39	
<b>SUPPORT REQUIREMENTS FOR BIOLOGY MAJOR</b>					
<i>Calculus I</i>	MATH 2413	_____	4	_____	
<i>Calculus II</i>	MATH 2414	_____	4	_____	
<i>General Chemistry I</i>	CHEM 1311/1111	_____	4	_____	
<i>General Chemistry II</i>	CHEM 1312/1112	_____	4	_____	
<i>Organic Chemistry I</i>	CHEM 3311/3113	_____	4	4	_____
<i>Organic Chemistry II</i>	CHEM 3312/3114	_____	4	4	_____
<i>Physics I</i>	PHYS 2325/2125	_____	4	_____	
<i>Physics II</i>	PHYS 2326/2126	_____	4	_____	
<b>Total support hours</b>				28	8
<b>SCIENCE &amp; MATHEMATICS DEPARTMENTAL REQUIREMENTS</b>					
<i>Computer Programming</i>	COSC 1335	_____	3	_____	
<i>Literature (upper level)</i>	ENGL 33--	_____	3	3	_____
<i>Capstone: Hist. &amp; Phil. Sci</i>	NTSC 4311	_____	3	3	_____
<i>Upper level elective or MATH Statistics</i>		_____	3	3	_____
<b>Total Departmental requirements:</b>			12	9	
<b>Total hours for Biology major with Organismal Biology track (minimum)</b>			116	55	
<b>TRANSFER, ELECTIVE OR OTHER HOURS NOT LISTED ABOVE: <i>Minimum 4 sch to complete bachelor's degree</i></b>					
<b>Total hours for B.S. degree with Major in Biology, Organismal Biology track</b>			≥120	≥48	

## 2011-2013 DEGREE PLAN: BS IN BIOLOGY

### EC-Grade 6 Generalist Certification

		SCH	Upper Level	Semester	Grade
<b>GENERAL EDUCATION CORE</b>					
Composition I	ENGL 1301	3		_____	_____
Composition II	ENGL 1302	3		_____	_____
US History I	HIST 1301	3		_____	_____
US History II	HIST 1302	3		_____	_____
Govt., Amer. & State I	PLSC 2305	3		_____	_____
Govt., Amer. & State II	PLSC 2306	3		_____	_____
Literature (2000 level)	ENGL 23__	3		_____	_____
Social or Behavioral Science	_____	3		_____	_____
Communication	COMM 1315	3		_____	_____
Visual or Performing Arts	_____	3		_____	_____

**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 with recitation	BIOL 4340	3	3	_____	_____
Evolution w/recitation	BIOL 4342	3	3	_____	_____
Principles of Ecology	BIOL 3372	3	3	_____	_____

**CHOOSE AMONG THE FOLLOWING AS ELECTIVES TO COMPLETE THE MAJOR:**

Invertebrate Zoology	BIOL 3310/3111	4	4	_____	_____
Vertebrate Zoology	BIOL 3312/3113	4	4	_____	_____
Botany	BIOL 3230/3231	4	4	_____	_____
Human Anatomy	BIOL 3350/3151	4	4	_____	_____
Human Physiology	BIOL 3352/3153	4	4	_____	_____
Animal Behavior	BIOL 4354	3	3	_____	_____

**SUPPORT COURSES FOR BIOLOGY MAJOR, EC-6 Generalist Certification**

College Algebra	MATH 1314	3		_____	_____
Elementary Math I	MATH 1350	3		_____	_____
Elementary Math II	MATH 2350	3		_____	_____
General Chemistry I	CHEM 1311/1111	4		_____	_____
General Chemistry II	CHEM 1312/1112	4		_____	_____

**SCIENCE & MATHEMATICS DEPARTMENTAL REQUIREMENTS**

Computer Programming	COSC 1335	3		_____	_____
Capstone: Hist. & Phil. Sci.	NTSC 4311	3	3	_____	_____

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

(refer to Discipline specifications)

Lower Level: \_\_\_\_\_ ≥6  
 Upper Level: \_\_\_\_\_ ≥12      \_\_\_\_\_ ≥12

**EDUCATION COURSES, EC-6 Generalist (Consult certification advisor for further information)**

<b>Education Core (9 sch)</b>					
Child/Adolescent Psychology	PSYC 3341	3	3	_____	_____
The Exceptional Child	EDUC 3352	3	3	_____	_____
Bilingual/Multicultural Ed	EDUC 3362	3	3	_____	_____
<b>Development and Literacy (24 sch)</b>					
Literature in the Classroom	EDUC 3322	3	3	_____	_____
Social/Emotional Development	EDUC 4311	3	3	_____	_____
Emergent Literacy	EDUC 4313	3	3	_____	_____
Language Develop Young Children	EDUC 4314	3	3	_____	_____
Second Language Acquisition Prin.	EDUC 4317	3	3	_____	_____
ECE Practices	EDUC 4312	3	3	_____	_____
Reading Dev in Primary Grades	EDUC 4324	3	3	_____	_____
Reading in Intermediate/Middle Gr.	EDUC 4325	3	3	_____	_____
<b>Content Area Methods (12 sch)</b>					
Literacy Assessment/Intervention	EDUC 4327	3	3	_____	_____
Teaching Mathematics EC-6	EDUC 4367	3	3	_____	_____
Teaching Science EC-6	EDUC 4368	3	3	_____	_____
Teaching Lang Arts/Soc St EC-6	EDUC 4373	3	3	_____	_____
<b>Student Teaching (6 sch)</b>					
Seminar: Student Teaching	EDUC 4099	0	0	_____	_____
Student Teaching EC-6	EDUC 4680	6	6	_____	_____
<b>TOTAL HOURS</b>				<b>≥120</b>	<b>≥48</b>

# 2011-2013 DEGREE PLAN: BS IN BIOLOGY

## Certification Grade 4-8 Generalist

	SCH	Upper Level	Semester	Grade
<b>GENERAL EDUCATION CORE</b>				
Composition I	ENGL 1301	3	_____	_____
Composition II	ENGL 1302	3	_____	_____
US History I	HIST 1301	3	_____	_____
US History II	HIST 1302	3	_____	_____
Govt., Amer. & State I	PLSC 2305	3	_____	_____
Govt., Amer. & State II	PLSC 2306	3	_____	_____
Literature (2000 level)	ENGL 23__	3	_____	_____
Social or Behavioral Science	_____	3	_____	_____
Communication	COMM 1315	3	_____	_____
Visual or Performing Arts	_____	3	_____	_____
<b>MAJOR: BIOLOGY, 4-8 Generalist Certification, &gt; 26 hrs. total, ≥ 18 hrs. upper level</b>				
General Biology I	BIOL 1306/1106	4	_____	_____
General Biology II	BIOL 1307/1107	4	_____	_____
Genetics with recitation	BIOL 4340	3	_____	_____
Evolution w/recitation	BIOL 4342	3	_____	_____
Principles of Ecology	BIOL 3372	3	_____	_____
<b>CHOOSE AMONG THE FOLLOWING AS ELECTIVES TO COMPLETE THE MAJOR:</b>				
Invertebrate Zoology	BIOL 3310/3111	4	_____	_____
Vertebrate Zoology	BIOL 3312/3113	4	_____	_____
Botany	BIOL 3230/3231	4	_____	_____
Human Anatomy	BIOL 3350/3151	4	_____	_____
Human Physiology	BIOL 3352/3153	4	_____	_____
Animal Behavior	BIOL 4354	3	_____	_____
<b>SUPPORT COURSES FOR BIOLOGY MAJOR, 4-8 Generalist Certification</b>				
College Algebra	MATH 1314	3	_____	_____
Elementary Math I	MATH 1350	3	_____	_____
Elementary Math II	MATH 2350	3	_____	_____
<b>4<sup>th</sup> Math Choose one of the following</b>				
Precalculus	MATH 2412	4	_____	_____
Intro to Statistics	PSYC 3301	3	_____	_____
General Chemistry I	CHEM 1311/1111	4	_____	_____
General Chemistry II	CHEM 1312/1112	4	_____	_____
<b>SCIENCE &amp; MATHEMATICS DEPARTMENTAL REQUIREMENTS</b>				
Computer Programming	COSC 1335	3	_____	_____
Capstone: Hist. & Phil. Sci.	NTSC 4311	3	_____	_____
<b>MINOR: _____, ≥ 18 hrs. total, ≥ 12 hrs. upper level</b>				
<b>(refer to Discipline specifications)</b>				
Lower Level: _____	≥6			
Upper Level: _____	≥12	≥12		
<b>EDUCATION COURSES, Grade 4-8 Generalist</b>				
<b>Note: Consult certification advisor for further information</b>				
<b>Education Core (9 sch)</b>				
Child Psychology	PSYC 3341	3	_____	_____
The Exceptional Child	EDUC 3352	3	_____	_____
Bilingual/Multicultural Ed	EDUC 3362	3	_____	_____
<b>Literacy and Pedagogy (12 sch)</b>				
Literature in the Classroom	EDUC 3322	3	_____	_____
or Adolescent Lit in the Classroom	EDUC 4323			
Classroom Instruction/Management	EDUC 4321 or 4322	3	_____	_____
Reading in Intermediate/Middle Grades	EDUC 4325	3	_____	_____
Reading in the Content Areas	EDUC 4326	3	_____	_____
<b>Content Area Methods (6 sch)</b>				
Math/Science: 4-8	EDUC 4374	3	_____	_____
Lang Arts/Soc St: 4-8	EDUC 4375	3	_____	_____
<b>Student Teaching (6 sch)</b>				
Seminar: Student Teaching	EDUC 4099	0	_____	_____
Student Teach: 4-8	EDUC 4682	6	_____	_____
<b>TOTAL HOURS</b>			<b>≥120</b>	<b>&gt;48</b>

# 2011-2013 DEGREE PLAN: BS IN BIOLOGY

## Certification Grade 8-12 Specialist

	SCH	Upper Level	Semester	Grade
<b>GENERAL EDUCATION CORE</b>				
Composition I	ENGL 1301	3	_____	_____
Composition II	ENGL 1302	3	_____	_____
US History I	HIST 1301	3	_____	_____
US History II	HIST 1302	3	_____	_____
Govt., Amer. & State I	PLSC 2305	3	_____	_____
Govt., Amer. & State II	PLSC 2306	3	_____	_____
Literature (2000 level)	ENGL 23__	3	_____	_____
Social or Behavioral Science	_____	3	_____	_____
Communication	COMM 1315	3	_____	_____
Visual or Performing Arts	_____	3	_____	_____
<b>MAJOR: BIOLOGY, Certification Grade 8-12, ≥ 30 hrs. total, ≥ 22 hrs. upper level</b>				
General Biology I	BIOL 1306/1106	4	_____	_____
General Biology II	BIOL 1307/1107	4	_____	_____
Micro- or Cell Biology	BIOL 3300/1 4 or 3324/5	4	_____	_____
Genetics with recitation	BIOL 4340	3	3	_____
Evolution w/recitation	BIOL 4342	3	3	_____
Principles of Ecology	BIOL 3372	3	3	_____
<b>CHOOSE AMONG THE FOLLOWING AS ELECTIVES TO COMPLETE THE MAJOR:</b>				
Invertebrate Zoology	BIOL 3310/3111	4	4	_____
Vertebrate Zoology	BIOL 3312/3113	4	4	_____
Botany	BIOL 3230/3231	4	4	_____
Human Anatomy	BIOL 3350/3151	4	4	_____
Human Physiology	BIOL 3352/3153	4	4	_____
Animal Behavior	BIOL 4354	3	3	_____
<b>SUPPORT REQUIREMENTS FOR BIOLOGY, Certification Grade 8-12 Specialist</b>				
Computer Programming	COSC 1335	3	_____	_____
Mathematics	_____		_____	_____
<b>If minor or 2<sup>nd</sup> teach field in Science &amp; Math:</b>				
Calculus I	MATH 2413	4	_____	_____
Calculus II	MATH 2414	4	_____	_____
<b>If minor or 2<sup>nd</sup> teach field not in Science &amp; Math:</b>				
College Algebra	MATH 1314	3	_____	_____
Introductory Statistics or Precalculus	PSYC 3301 or MATH 2412	3-4	3	_____
General Chemistry I	CHEM 1311/1111	4	_____	_____
General Chemistry II	CHEM 1312/1112	4	_____	_____
Organic Chemistry I	CHEM 3411/3113	5	5	_____
Capstone: Hist. & Phil. Sci.	NTSC 4311	3	3	_____
<b>MINOR: _____ ≥ 18 hrs. total, ≥ 12 hrs. upper level</b>				
<b>(refer to Discipline specifications)</b>				
Lower Level: _____	_____	≥6		
Upper Level: _____	_____	≥12	≥12	
<b>EDUCATION COURSES, Certification, Grade 8-12 Specialist</b>				
<b>Note: Consult certification advisor for further information</b>				
<b>Education Core (9 sch)</b>				
Child Psychology	PSYC 3341	3	3	_____
The Exceptional Child	EDUC 3352	3	3	_____
Bilingual/Multicultural Ed	EDUC 3362	3	3	_____
<b>Literacy and Pedagogy (6 sch)</b>				
Class Instruction/Management	EDUC 4322	3	3	_____
Reading in the Content Areas	EDUC 4326	3	3	_____
<b>Content Area Methods (3 sch)</b>				
Teaching Science: Grades 8-12	EDUC 4376	3	3	_____
<b>Student Teaching (6 sch)</b>				
Seminar: Student Teaching	EDUC 4099	0	0	_____
Student Teaching, 8-12	EDUC 4685	6	6	_____
<b>TOTAL HOURS</b>			<b>≥120</b>	<b>≥48</b>

# CHEMISTRY, BIOCHEMISTRY, and ENVIRONMENTAL CHEMISTRY



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BS, MS, Louisiana Tech University; PhD (1973), Louisiana State University.

Administered by the Department of Physical Sciences 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 any field of chemistry. The B.S. in Chemistry (Biochemistry Track) is designed for students pursuing a career in a health profession and who desire a strong background in this central science as preparation for medical, dental, veterinary and pharmacy schools, as well as teaching. The B.S. in Chemistry (Environmental Chemistry Track) is designed for Chemistry students pursuing a career related to the environment.

## Degree Requirements

The total semester credit hours required for a B. S. in Chemistry is **120**.

### General Education

**49 semester credit hours**

Complete the requirements shown in the General Education Requirements section in this catalog, including the following specific courses. Although not required, it is most desirable that students also take Calculus II (MATH 2414) and the University Physics sequence.

Mathematics	MATH 2412, 2413,	8 sch
Physics	PHYS 1301/1101, 1302/1102 or PHYS 2425, 2426	8 sch
Computers	COSC 1335	3 sch

Students pursuing the Environmental Chemistry Track must also take the following GEOL & BIOL courses:

Geology	GEOL 1301/1101, 1302/1102	8 sch
Biology	BIOL 1306/1106	4 sch

### Chemistry Major and Minor Requirements

Students may complete the requirements for a B.S. degree in Chemistry through either of two pathways. The B.S. degree in Chemistry ( $\geq 26$  upper level sch) is designed for chemical professionals and requires a minor. Organic Chemistry may also be taken at the lower level at a community college and will transfer for the typical 8 sch and is one example of how students might have fewer UL sch for the degree. A minimum of 48 UL sch is required for any degree at UTPB. However, students that transfer Org CHEM may be required to take the Org CHEM II lab at UTPB to assure the expertise in instrumental analysis if they do not receive hands-on use and experience elsewhere.

The B.S. degree in Chemistry with a Biochemistry Track ( $\geq 26$  CHEM upper level sch) requires a pre-selected list (12 upper level sch) of Biology courses and therefore does not require a minor. The pre-pharmacy track may be based on either of these degree plans but is shown in the 2 yr and 3 yr time frames where certain requirements must be achieved to gain early acceptance into the Pharmacy programs at other institutions.

The following requirements are listed for each degree track. Since each degree plan is customized to each student and depends upon their level of preparation for college level coursework, transfer courses, and choices of electives, minor, etc., only sample degree plans are included after the course descriptions.

### B.S. in Chemistry

		LL	UL
CHEM 1311/1111, 1312/1112	General CHEM	8	
CHEM 3311/3113, 3312/3114	Organic CHEM		8 (example)
CHEM 3324/3225	Analytical CHEM		5
CHEM 3695	CHEM Research		2
CHEM 4301/4103,	Physical CHEM I		4
CHEM 4321/4223	Biochemistry (or BIOL equivalent)		4
CHEM 4374/4174	Adv. Inorganic CHEM		4
CHEM Electives ( $\geq 7$ sch)			
CHEM 4302/4102	Physical CHEM II		4 (example)
CHEM 4330/4131	NMR Spectroscopy.		
CHEM 4340	Medicinal CHEM		
CHEM 4389	Modern Nuclear CHEM		3 (example)
<b>Total:</b>		<b>42 total sch</b>	<b>and <math>\geq 26</math>UL sch</b>

**A formal Minor in another discipline is required as part of this degree plan. Minor requirements are defined by each discipline but must be  $\geq 18$  total sch and  $\geq 9$  UL sch.**

## B.S. in Chemistry (Biochemistry Track)

The Biochemistry Track is a program designed for students interested in the application of chemical concepts to biological systems. This degree program will prepare students seeking to continue their education in a health field (medical, dental, pharmacy, etc.) or in a graduate program in which the research may focus on biochemical, medicinal, or forensic chemistry, or toxicology areas (to name a few).

In addition to the General Education courses, 64 sch (with  $\geq 40$  sch are UL) are required in Chemistry and BIOL courses. This degree plan does not require a separate minor. Depending upon each student's level of readiness for college courses, pre-calculus can be counted within the total sch for the degree while another UL elective allows pre-med students to take another BIOL course to further their preparation for professional/graduate schools.

Required Chemistry Courses	LL	UL
CHEM 1311/1111, 1312/1112    General CHEM	8	
CHEM 3311/3113, 3312/3114    Organic CHEM		8 (example)
CHEM 3324/3225    Analytical CHEM		5
CHEM 3695    CHEM Research		2
CHEM 4301/4103    Physical CHEM I		4
CHEM 4321/4223    Biochemistry/lab (or BIOL equivalent)		4
CHEM 4374/4175    Advanced Inorganic CHEM		4
Chemistry Electives ( $\geq 7$ UL sch)		
CHEM 4302/4104    Physical CHEM II		4 (example)
CHEM 4330/4131    NMR Spectroscopy		
CHEM 4340    Medicinal CHEM		3 (example)
CHEM 4389    Modern Nuclear Chemistry		
<b>Total:</b>	<b>42 total sch and <math>\geq 26</math> UL sch</b>	

Required Biology Courses (22 total sch)		
BIOL 1306/1106, 1307/1107    General BIOL	8	
Upper Level Biology Courses ( $\geq 14$ UL sch)		
BIOL 3300, 3101    Microbiology		4 (example)
BIOL 4340/4141    Genetics		4
BIOL (select 2 of 3)		
BIOL 4303    Nutrition		3 (example)
BIOL 3324    Cell Biology		
BIOL 4322    Molecular Biology		3 (example)
<b>Total:</b>	<b>22 total sch and <math>\geq 14</math> UL sch</b>	

Recommended Statistics Course (3 total sch)		
PSYC 3301		3

## B.S. in Chemistry (Environmental Chemistry Track)

The Environmental Chemistry Track is a program designed for students interested in the application of chemical concepts to the environment. This degree program will prepare students for industrial positions for graduate programs in either field.

Since lower level courses in GEOL (Physical & Historical GEOL & labs, 8 sch) and BIOL (Gen. Biology I & lab, 4 sch) are additional pre-requisites for the ENSC courses, fewer total courses in Chemistry are required in this track. In addition to the General Education courses, there are 31 sch of common science (see example degree plan), 35 sch total CHEM (with 27 UL) and 21 total ENSC, all UL, requirements. This degree plan does not require a separate minor. Depending upon each

student's level of readiness for college courses, pre-calculus can be counted within the total sch for the degree, but calculus II is highly recommended.

Required Chemistry Courses		LL	UL
CHEM 1311/1111, 1312/1112	General CHEM	8	
CHEM 3311/3113, 3312/3114	Organic CHEM		8 (example)
CHEM 3324/3225	Analytical CHEM		5
CHEM 3695	CHEM Research		2
CHEM 4301/4103	Physical CHEM I		4
CHEM 4374/4175	Advanced Inorganic CHEM		4
Chemistry Electives (4 UL sch)			
CHEM 4389	Modern Nuclear Chemistry		3
CHEM 3695	CHEM Research		1
<b>Total:</b>		<b>35 total sch and 27 UL sch</b>	

Required Environmental Science Courses (21 total sch)			
ENSC 3301 & 3302	Environmental Science I & II		6
ENSC 3310 & 3315	Water & Air Quality		6
ENSC 3320	Environmental Law		3
ENSC (select 2 of 3)			
ENSC 4303	GIS Applications		3 (example)
ENSC 3324	Adv. Environmental Science		
ENSC 4322	Environmental Research		3 (example)
<b>Total:</b>		<b>21 total sch (all UL)</b>	

## B.S. in Chemistry (Pre-Pharmacy Track)

A sample degree plan is included at the end of the Chemistry & Biochemistry section of this catalog to show the specific requirements that need to be met for 2-year and 3-year early acceptance into some Pharmacy programs.

## Chemistry Minor

The Chemistry minor provides an appropriate supporting background particularly suited for students typically pursuing a major in another area of science, technology, engineering, or math. This plan furnishes some knowledge about various fields of chemistry (inorganic, organic, etc.) 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 21 with at least 9 sch at the upper level. The Chemistry minor is specifically described by the following courses as taken at UTPB. Transfer students may be required to take the 1 sch upper level credit for Organic Chem II lab (CHEM 3114), particularly if they have not had access to modern analytical instrumentation during their previous experience. Research in chemistry may not be substituted for any lecture or lab without written consent of the Chemistry chair.

Required Courses		LL	UL
CHEM 1311/1111, 1312/1112	General CHEM	8	
CHEM 3311/3113, 3312/3114	Organic CHEM		8 (example)
CHEM 3324/3225	Analytical CHEM		5
<b>Total:</b>		<b>21 total sch and ≥9 UL sch</b>	



## Chemistry as a Teaching Field Education Requirements

The current education course requirements for secondary teacher certification are:

### PROFESSIONAL FOUNDATIONS (Pre-Candidacy)

- \*PSYC 3341 Child and Adolescent Psychology
- \*EDUC 3352 The Exceptional Child
- EDUC 4362 Foundations of Bilingualism and Multiculturalism

### LITERACY AND PEDAGOGY (Requires application and admission to candidacy)

- EDUC 4322 Classroom Instruction and Management
- EDUC 4326 Reading in the Content Areas
- EDUC 4376 Teaching Science in Grades 8-12

### CLINICAL PRACTICE (Requires application and admission)

- \*\*EDUC 4099 Seminar: Student Teaching
- \*\*EDUC 4685 Student Teaching

\*Acceptable community college transfer courses for PSYC 3341 include PSYC 2308, PSYC 2314, and TECA 1354. Acceptable community college transfer courses for EDUC 3352 include EDUC 2301.

\*\*Students seeking to do a paid internship in lieu of student teaching must pass their content area TExES exam and graduate in order to be eligible to be hired as an intern teacher.

Candidates for the TExES test in 8-12 Chemistry must have completed the courses for the B.S. in Chemistry. Candidates for TExES tests in 8-12 Physical Science or 8-12 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, 3311/3113, 3312/3114, 4301/4103; PHYS 2425, 2426 or PHYS 1301/1101 and 1302/1102; 6 hours of science electives.

**8-12 Science:** BIOL1306/1106, 1307/1107, 4340, 4342; BIOL 3372 or 3230/3231; BIOL 3300/3101 or 3324/3125; CHEM 1311/1111, 1312/1112, 3311/3113; GEOL 1301/1101, 1302/1102; PHYS 1301/1101 and 1302/1102 or PHYS 2425 and 2426; 6-7 hours of science electives.

### Course Listing

#### **CHEM 1301 Chemistry in Context (3)<sup>†</sup>**

This course will introduce non-science majors to fundamental principles of chemistry using a topics approach. Chemistry concepts will be introduced and developed as needed for the understanding of contemporary societal-technological issues such as the ozone layer; global warming; energy; acid rain; nuclear fission; polymers; drugs; and nutrition. This course is designed to better prepare students to be well-informed citizens. Corequisite: CHEM 1103. FS

#### **CHEM 1103 Chemistry in Context Lab (1)<sup>†</sup>**

This course provides lab experiences that reflect the significant broad societal implications of the specific science and technology issues addressed in the lecture course. Hands on experiences are crucial to an understanding of scientific method and the role that Chemistry plays in addressing these issues. The focus is on exploration and data gathering rather than traditional lab techniques. Corequisite: CHEM 1301. FS

**CHEM 1305 Introductory Chemistry (3)<sup>†</sup>**

This course is a survey of the fundamentals of chemistry with applications to environmental science, allied health occupations, and food science. It will require critical thinking skills and problem solving ability, in addition to learning of factual material. Students with a weak background in Chemistry should take this course prior to enrolling in the General Chemistry sequence, i.e., CHEM 1311. FS

**CHEM 1311 General Chemistry I (3)<sup>†</sup>**

An introduction to chemistry, fundamentals of atomic structure and bonding, periodic chart, chemical nomenclature, equations and reactions. Prerequisite: high school chemistry. Corequisite: math at college algebra level or better. FS

**CHEM 1111 General Chemistry Lab I (1)<sup>†</sup>**

Experiments related to principles and topics covered in CHEM 1311. Corequisite: CHEM 1311. FS

**CHEM 1312 General Chemistry II (3)<sup>†</sup>**

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, Sm

**CHEM 1112 General Chemistry Lab II (1)<sup>†</sup>**

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, Sm

**CHEM 3311 Organic Chemistry I (3)**

Organic functional groups. Emphasizes synthesis and mechanisms. For chemistry, pre-professional and other science majors. Includes a noncredit recitation hour. Prerequisite: CHEM 1312-1112 with C grade or higher. Corequisite: CHEM 3113. F

**CHEM 3113 Organic Chemistry Lab I (1)**

Techniques of separation, purification and synthesis of organic compounds. F

**CHEM 3312 Organic Chemistry II (3)**

Continuation of CHEM 3311 including an introduction to naturally occurring and biologically important compounds. Includes a noncredit recitation hour. Prerequisite: CHEM 3311 and 3113 with C grade or higher. Corequisite: CHEM 3114. S,

**CHEM 3114 Organic Chemistry Lab II (1)**

Continuation of CHEM 3113; qualitative analysis, spectral interpretation (IR, NMR, MS), and instrument usage. Prerequisites: CHEM 3311 and 3113 with C grade or higher. Corequisite: CHEM 3312. 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. Prerequisite: CHEM 1312/1112 with C grade or higher. 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)**

Active participation in a research project conducted under the mentorship of a member of the Chemistry faculty. The choice of faculty member is selected by the student. Prerequisite: consultation with chemistry faculty and permission of research advisor. May be repeated for credit. F, S, Sm

**CHEM 4301 Physical Chemistry I (3)**

A physical chemistry course designed for all chemistry majors and minors. Topics include thermodynamics, kinetics, and electrochemistry and the subsequent application of these concepts to both chemical and biological systems. Prerequisites: CHEM 3312, one year of physics and Calculus I. Corequisite: CHEM 4103. F

**CHEM 4103 Physical Chemistry Lab 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, or with the permission of the instructor. S

**CHEM 4104 Physical Chemistry Lab II (1)**

Continuation of CHEM 4103. Prerequisite: CHEM 4103, or with the permission of the instructor. Corequisite or prerequisite: CHEM 4302. S

**CHEM 4321 Biochemistry I (3)**

Beyond Organic Chemistry, this course covers the structure and function of proteins and enzymes. Fundamental metabolic pathways of the chemical reactions of carbohydrates and basic thermodynamic principles that drive these chemical reactions of life processes are also covered. Prerequisite: CHEM 3312 and 3114, both with C or higher grade. F

**CHEM 4322 Biochemistry II (3)**

The second half of this sequence covers photosynthesis and carbon fixation, bases that are incorporated into nucleic acids, the polymers of nucleic acids, lipids and membranes. Prerequisites: CHEM 4321; Co-requisite: CHEM 4223. S

**CHEM 4223 Biochemistry Techniques (2)**

This course surveys the most common laboratory techniques and applications used to investigate bio-molecules and their structure, isolation, purification and activity. Many experiments have to be done on a timely basis and may take several lab periods. Co-requisite: CHEM 4321. S

**CHEM 4330 NMR Spectroscopy (3)**

The Nuclear Magnetic Resonance phenomenon is reviewed and basic concepts of modern pulsed multinuclear NMR methods are presented. Focus will be on 1-D and 2-D techniques that are most useful today. 2-D techniques will then be covered as to their most effective use. The latter part of the course uses multiple spectra problem sets to gain proficiency in structure determination by NMR. Prerequisites: CHEM 3312 and 3114. Corequisite 4131. F

**CHEM 4131 NMR Spectroscopy Lab (1)**

Basic NMR experiments with a modern superconducting magnet - pulsed multinuclear NMR is followed by more advanced 2-D NMR techniques currently used to determine chemical structure. Use of unknowns for most experiments is followed by more advanced special projects at the end of the semester. Prerequisites: CHEM 3312 and 3114. F

**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 3312. 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. S

**CHEM 4175 Inorganic Chemistry Lab (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)**

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 and may be acceptable for graduate credit. Topics may include, for example: advanced analytical methods, modern nuclear chemistry, and polymer chemistry. F, S

**CHEM 4391 Contract Study (3)**

Advanced independent study or research. These courses will not count for graduate credit.

† Course fulfills general education requirements.

# DEGREE PLAN: BS IN CHEMISTRY

	Lower Level	Upper Level
<b>GENERAL EDUCATION REQUIREMENTS (30 sch):</b>		
___ 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	
<b>COMMON SCIENCE REQUIREMENTS (19 sch):</b>		
___ MATH 2412 & MATH 2413 (pre-Calculus & Calculus I)	8	
___ PHYS 1301/1101, 1302/1102 or 2325/2125 & 2326/2126	8	
___ COSC 1335 (Computer Science)	3	
<b>CHEM CHEMISTRY COURSES (42 sch total, ≥28 sch UL)</b>		
___ CHEM 1311/1111 & 1312/1112, General Chemistry	8	
___ CHEM 3311/3113 & 3312/3114 Organic Chemistry		8
___ CHEM 3324/3225 Analytical Chemistry		5
___ CHEM 4301/4103 Physical Chemistry		4
___ CHEM 3695 Research		2
___ CHEM 4321/4223, Biochemistry (or equiv BIOL)		4
___ CHEM 4374/4175 Advanced Inorganic Chemistry		4
<b>ADVANCED CHEMISTRY ELECTIVES (select ≥7sch):</b>		
___ CHEM 4340, Medicinal Chemistry		
___ CHEM 4330/4131 NMR Spectroscopy		
___ CHEM 4302/4104 Physical Chemistry II		4
___ CHEM 4389, Modern Nuclear Chemistry		3
 MINOR: _____ (20 total, 12 upper level)		
In general, a minor consists of 18-24 sch of which 9-12 sch must be upper level. Please refer to the catalog for specific requirements for each individual minor.		
_____	8	
_____		12
_____		
_____		
 TRANSFER or OTHER SCH Not Listed Above		
Lower level: _____	1	
Upper level: _____		8
<b>TOTAL SCH (PLAN: 120 SCH with 48-54 Upper Level)</b>	<b>66</b>	<b>54</b>

## DEGREE PLAN: BS IN CHEMISTRY (Biochemistry Track)

	Lower Level	Upper Level
<b>GENERAL EDUCATION REQUIREMENTS (30 sch):</b>		
___ 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	
<b>COMMON SCIENCE REQUIREMENTS (22 sch):</b>		
___ MATH 2412, 2413 pre-Calculus & Calculus I	8	
___ PHYS 1301/1101, 1302/1102 OR 2325/2125 & 2326/2126	8	
___ COSC 1335 Computer Science	3	
___ PSYC 3301 Statistics		3
<b>CHEM CHEMISTRY COURSES: (42 sch total, ≥28 sch UL)</b>		
___ CHEM 1311/1111 & 1312/1112, General Chemistry	8	
___ CHEM 3311/3113 & 3312/3114 Organic Chemistry		8
___ CHEM 3324/3225 Analytical Chemistry		5
___ CHEM 4301/4103 Physical Chemistry I		4
___ CHEM 3695 Research		2
___ CHEM 4321/4223, Biochemistry (or equiv BIOL)		4
___ CHEM 4374/4175 Advanced Inorganic Chemistry		4
<b>ADVANCED CHEMISTRY ELECTIVES (select ≥7sch):</b>		
___ CHEM 4340, Medicinal Chemistry		3
___ CHEM 4330/4131 NMR Spectroscopy		4
___ CHEM 4302/4104 Physical Chemistry II		4
___ CHEM 4389, Modern Nuclear Chemistry		4
<b>Required Biology Courses (22 total sch, ≥14 UL)</b>		
_ BIOL 1306/1106 & 1307/1107, General Biology I&II	8	
_ BIOL 3300/3101 Microbiology _____, _____		4
_ BIOL 4340/4141 Genetics _____, _____		4
_ BIOL (select 2 of 3)		
BIOL 3324 Cell Biology _____, _____		3
BIOL 4303 Nutrition _____, _____		3
BIOL 4322 Molecular Biology _____, _____		3
<b>TRANSFER or OTHER SCH Not Listed Above</b>		
Lower level: _____	1	
Upper level: _____		3
<b>TOTAL SCH (PLAN: 120 SCH with 48-54 Upper Level)</b>	<b>66</b>	<b>54</b>

# DEGREE PLAN: BS IN CHEMISTRY

## (Environmental chemistry Track)

	Lower Level	Upper Level
<b>GENERAL EDUCATION REQUIREMENTS (30 sch):</b>		
___ 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	
<b>COMMON SCIENCE REQUIREMENTS (31 sch):</b>		
___ MATH 2412, 2413 pre-Calculus & Calculus I	8	
___ PHYS 1301/1101, 1302/1102 OR 2325/2125 & 2326/2126	8	
___ COSC 1335 Computer Science	3	
___ GEOL 1301/1101, 1302/1102 Phys. & Hist. Geology	8	
___ BIOL 1306/1106 General Biology I	4	
<b>CHEM CHEMISTRY COURSES: (35 sch total, 27 sch UL)</b>		
___ CHEM 1311/1111 & 1312/1112, General Chemistry	8	
___ CHEM 3311/3113 & 3312/3114 Organic Chemistry		8
___ CHEM 3324/3225 Analytical Chemistry		5
___ CHEM 4301/4103 Physical Chemistry I		4
___ CHEM 3695 Research		2
___ CHEM 4374/4175 Advanced Inorganic Chemistry		4
<b>ADVANCED CHEMISTRY ELECTIVES (≥4 sch):</b>		
___ CHEM 4389 Nuclear Chemistry		4
___ CHEM 3695 Research		1
<b>Required Environmental Science Courses (21 total sch, 21 UL)</b>		
___ ENSC 3301, 3302 Environmental Science I&II		8
___ ENSC 3310, 3315 Water & Air Quality		6
___ ENSC 3320 Environmental Law		3
___ ENSC (select 2 of 3)		
ENSC 3324 GIS Applications		3 (example)
ENSC 4303 Adv. Environmental Science		
ENSC 4322 Environmental Research		3 (example)
<b>TRANSFER or OTHER SCH Not Listed Above</b>		
Lower level: _____		3
Upper level: _____		
<b>TOTAL SCH (PLAN: 120 SCH with 48 Upper Level)</b>	<b>72</b>	<b>48</b>

## DEGREE PLAN: BS IN CHEMISTRY (PRE-PHARMACY)

First two full years:	Lower Level	Upper Level
<u>GENERAL EDUCATION REQUIREMENTS:</u>		
___ 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	
<u>COMMON SCIENCE REQUIREMENTS (15 sch):</u>		
___ MATH 2412, 2413 pre-Calculus & Calculus I	8	
___ PHYS 1301/1101, OR 2325/2125	4	
___ PSYC 3301 Statistics		3
<u>CHEMISTRY COURSES: 42 sch total, ≥28 sch UL</u>		
___ CHEM 1311/1111 & 1312/1112, General Chemistry	8	
___ CHEM 3311/3113 & 3312/3114 Organic Chemistry		8
_ BIOL 1306/1106 & 1307/1107, General Biology I&II	8	
_ BIOL 3300/3101 Microbiology _____, _____		4
<u>Third year:</u>		
___ PHYS 1302/1102, OR 2326/2126	4	
___ COSC 1335 (Computer Science)	3	
___ CHEM 3324/3225 Analytical Chemistry		5
___ CHEM 4340, Medicinal Chemistry		3
___ CHEM 4321/4223, Biochemistry (or equiv BIOL)		4
BIOL 4340/4141 Genetics (or other BIOL below)		4
BIOL 3197 Pre-Professional Seminar		1
<u>Fourth Year:</u>		
___ CHEM 4301/4103 Physical Chemistry I		4
___ CHEM 4374/4175 Advanced Inorganic Chemistry		4
___ CHEM 3695 Research		2
<u>ADVANCED CHEMISTRY ELECTIVES (≥3 sch):</u>		
___ CHEM 4302/4104 Physical Chemistry II		...
___ CHEM 4330/4131 NMR Spectroscopy		...
___ CHEM 4389, Modern Nuclear Chemistry		3
_ BIOL (select 2 of 3)		
BIOL 3324 Cell Biology _____, _____		3
BIOL 4303 Nutrition _____, _____		
BIOL 4322 Molecular Biology _____, _____		3
TRANSFER or OTHER SCH Not Listed Above		
Lower level: _____	1	
Upper level: _____		3
<b>TOTAL SCH (PLAN: 120 SCH with 48-54 Upper Level)</b>	<b>66</b>	<b>54</b>



# DEGREE PLAN: BS IN CHEMISTRY and Teacher Certification

	Lower Level	Upper Level
<u>GENERAL EDUCATION REQUIREMENTS (30 sch):</u>		
___ 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 1301	3	
___ Communication: COMM 1315	3	
___ Fine Arts: ARTS 1301, MUSI 1306, DRAM 2301	3	
<u>COMMON SCIENCE REQUIREMENTS (19 sch):</u>		
___ MATH 2412 & MATH 2413 (pre-Calculus & Calculus I)	8	
___ PHYS 1301/1101, 1302/1102 or 2325/2125 & 2326/2126	8	
___ COSC 1335 (Computer Science)	3	
<u>CHEM CHEMISTRY COURSES (42 sch total, ≥28 sch UL)</u>		
___ CHEM 1311/1111 & 1312/1112, General Chemistry	8	
___ CHEM 3311/3113 & 3312/3114 Organic Chemistry		8
___ CHEM 3324/3225 Analytical Chemistry		5
___ CHEM 4301/4103 Physical Chemistry		4
___ CHEM 3695 Research		2
___ CHEM 4321/4223, Biochemistry (or equiv BIOL)		4
___ CHEM 4374/4175 Advanced Inorganic Chemistry		4
<u>ADVANCED CHEMISTRY ELECTIVES (select ≥7sch):</u>		
___ CHEM 4340, Medicinal Chemistry		
___ CHEM 4330/4131 NMR Spectroscopy		
___ CHEM 4302/4104 Physical Chemistry II		4
___ CHEM 4389, Modern Nuclear Chemistry		3
<u>CERTIFICATION COURSES: _____ (18 total + 6 student teaching)</u>		
___ *PSYC 3341 Child & Adolescent Psychology (or equiv)		3
___ *EDUC 4352 The Exceptional Child (or equiv)		3
___ EDUC 4362 Foundations of Bilingualism & Multiculturalism		3
___ EDUC 4322 Classroom Instruction & Management		3
___ EDUC 4326 Reading in the Content Areas		3
___ EDUC 4376 Teaching Science in Grades 8-12		3
___ EDUC 4099 Seminar: Student Teaching		
___ EDUC 4685 Student Teaching		6
 TRANSFER or OTHER SCH Not Listed Above		
Lower level: _____	5	
Upper level: _____		
 <b>TOTAL SCH (PLAN: 120 SCH with &gt;48 Upper Level)</b>	 <b>62</b>	 <b>58</b>

# CHILD AND FAMILY STUDIES

The Child and Family Studies degree is in the Department of Psychology and is coordinated by Dr. Spencer Thompson, a developmental psychologist. In this major students learn about the fascinating influences and changes that affect children and families in society. A student may choose to take classes in campus classrooms or complete the degree on-line.

Administered by the Department of Psychology 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 course work 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. Many students in this track also seek teacher certification. For these students successful completion serves as their capstone course. Students in this track who do not wish teacher certification must complete a senior research or applied project with a faculty advisor. 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.

All Child and Family Studies majors complete a capstone course. If students take student teaching, the student teaching is the capstone course. Students not involved in student teaching must complete an independent research project with a professor in Child and Family studies. Arrangements for this are made on-line through the professor of the Independent Research course, CHLD 4399, and the Coordinator of Child and Family Studies.

## 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 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 4403 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\*\*

**Note: Students in the learning and development track must successfully complete student teaching or complete an advisor-approved child/family project or community/agency service course (CHLD 4399 or CHLD 4391).**

##### **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:

Courses in English, Fine Arts, Computer Science, Math, Multicultural Education, Education for Children with Special Needs, History, Bilingual Education, Communication, Science

**Minor**

**18 credit hours**

A minor is required for this major. Students may not minor in psychology or sociology. Students may choose any other minor including, but not limited to minors in Special Populations, Women's Studies, Social Work, or Bilingual / English as a Second Language.

**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 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-6 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. Students seeking certification as a 4-8 Generalist must take at least 12 hours of math and 14-16 hours of science.

**Degree Plan for On-line Major in Child and Family Studies**

The Child and Family Studies major can be taken on-line through the REACH services at UTPB. Many but not all of the 44 credits of General Education requirements may be available on-line. The General Education course requirements may be fulfilled through community colleges, or through on-line courses offered at UTPB or other accredited colleges. Several minors are available totally on-line at UTPB that are appropriate for the Child and Family Studies major. CHLD students cannot minor in psychology or sociology, but currently they can complete on-line minors in, for example, History and Criminal Justice. Other on-line minors may be developed during the years covered by this catalog. CHLD majors taking on-line courses will take the Learning and Development track. The degree plan for on-line students is as follows:

**General Education**

**44 credits**

Students must complete the requirements shown in the General Education Requirements section 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.

**On-line Child and Family Studies Major Requirements**

**36 credits**

Students majoring in Child and Family Studies must take a minimum of 36 credit hours in Child and Family Studies(CHLD) or approved courses. At least 18 credit hours must be at the upper level (3000-4000 level) The maximum number of credit hours in child and family studies courses is 45. The 36 credit hours are divided into three sections of minimum requirements: 18 credit hours of "core" courses, 12 credit hours of "track" courses and 6 credit hours of "approved electives".

**The six on-line "core" courses include:**

SOCI 1301 or PSYC 1301 (one of these courses could also serve General Education Social Science requirements. As a result most students take both SOCI 1301 and PSYC 1301)

CHLD 3341 Child/Adolescent Psychology , TECA 1354 Child Growth and Development , PSYC  
2308 Child Psychology  
CHLD 3352 The Exceptional Child  
CHLD 4314 Language Development in the Young Child  
CHLD 3349 Child in Society  
CHLD 3404 Experimental Psychology

**Students must choose four courses in the Learning and Development Track:**

CHLD 4311 Social Development and Learning (Required)

And

TECA 1303 Family School and Community

TECA 1311 Educating Young Children

TECA 1318 Wellness of the Young Child

CHLD 3310 Motor Development

CHLD 3390 The Family

CHLD 4310 Early Intervention

CHLD 4329 Second Language Acquisition

All CHLD students complete a capstone course. If students take student teaching, the student teaching is the capstone course. Students not involved in student teaching must complete an independent research project with a professor in Child and Family studies. Arrangements for this are made on-line through the professor of the Independent Research course, CHLD 4399, and the Coordinator of Child and Family Studies.

CHLD 4399 Senior Research Seminar

Students on-line taking Senior Research take one elective course. Students may choose from any of the following areas: Courses in English, Fine Arts, Computer Science, Math, Multicultural Education, Education for Children with Special Needs, History, Bilingual Education, Communication, Science

A minor is required for this major. Students may not minor in psychology or sociology. Students may choose any other minor including, but not limited to minors in Criminal Justice, History, Special Populations, Women's Studies, Social Work, or Bilingual/English as a Second Language.

**Electives**

**22 credit hours**

**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. F,S

**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, Sm

**CHLD 3311 Social Psychology (3)**

Interrelationships between individuals and their social environment, considering social influences upon motivation, perception, behavior and development, and change of attitudes and opinion. Prerequisite: PSYC 1301. S

**CHLD 3321 Abnormal Psychology (3)**

Variables involved in the development, maintenance and treatment of a variety of behavior disorders. Prerequisite: PSYC 1301. F,S

**CHLD 3341 Child/Adolescent Psychology (3)**

Developmental aspects of physical, mental, social and emotional growth from prenatal through adolescent periods. Recommended: PSYC 1301. F,S,Sm

**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. F,S

**CHLD 3343 Adult Development and Aging (3)**

Personality, cognitive, social, emotional and biological processes involved in development from young adulthood through old age. Prerequisite: PSYC 1301. S

**CHLD 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. A field experience is included. Co/prerequisite: CHLD 3341. F,S

**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. F,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. Prerequisite: CHLD 3341 or permission of the instructor. F

**CHLD 4311 Social Development and Learning (3)**

Investigation of social-emotional development in young children. Emphasis is on using knowledge of social-emotional development to establish a positive learning environment. Prerequisite: CHLD 3341 or permission of instructor. F,S

**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. TexES pre-tests may be required. Prerequisite: CHLD 3341 or permission of the instructor. F,S

**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. Prerequisite: CHLD 3341 or permission of the 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. F

**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. F,S

**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. F,S

**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 4403. F,S

**CHLD 4403 Social Research Methods (4)**

The course provides a comprehensive overview of social science research methods, with emphasis given to the concepts used in research, measurement strategies, and research designs. This course will include a one hour lab that will focus on the steps undertaken in the completion of a research paper. Prerequisite: CHLD 3301. S

# 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 48 credits must be at the junior or senior level. At least 30 of these must be completed at U. T. Permian Basin.
4. Obtain at least a "C" grade in all courses counting toward the major. Maintain at least a grade point average of 2.0 in all courses applicable toward the B. A. degree.

**A. CORE COURSES (18 sch)**

- \_\_\_ SOCI 1301 Introduction **OR** PSYC 1301 Introduction (cannot be used for GenEd)
- \_\_\_ CHLD 3341 Child/Adolescent **OR** TECA 1354 Child Growth & Development \*\*
- \_\_\_ CHLD 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 4403 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*

**Development**

CHLD 3342 or CHLD 3310 or TECA 1311\*\* CHLD 4320 or CHLD 3349 or

**Social Agencies Track**

**Required:** CHLD 4399

*Choose one course from each group*

**Theoretical Focus**

CHLD 3390 or CHLD 4389

**Applied Research Track**

**Required:** CHLD 4391

*Choose one course from each group*

**Developmental Studies**

CHLD 4345 or CHLD 3343 or  
CHLD 4381 or CHLD 4370

**Family Issues**

CHLD 3390, 4381 or  
TECA 1303\*\*

**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. \_\_\_\_\_



# COMMUNICATION

Dr. William Harlow is the Area Coordinator for the Communication Program at UTPB. His teaching and research focuses on communication and international politics. His work draws on his experience as a U.S. Foreign Service Officer from 2003-2007, including postings to the U.S. embassies in Mexico City and Abuja, Nigeria. He earned a Ph.D. in Speech Communication from Texas A&M in 2002, and he worked previously at Texas Tech University and at the International Boundary and Water Commission. Dr. Harlow has been at UTPB since June 2008.

Administered by the Department of Visual and Performing Arts within the College of Arts and Sciences.

The degree program in Communication will expose students to courses in the mass media, social science, and rhetorical traditions and will prepare students for a wide range of possible careers as well as for graduate and professional studies. Students will take a series of prescribed courses across the curriculum as well as several electives designed to meet their particular interests and needs. Each Communication student should be better prepared to use critical skills in a rapidly evolving workplace.

## **General Education (44 semester credit hours)**

Complete the General Education Requirements section of this catalog. Students are encouraged to discuss options with their Communication faculty advisor.

## **Computer Use**

It is expected that all Communication majors and minors possess basic personal computer skills prior to enrollment in courses. Many classes in the Communication program require that assignments be completed using a personal computer. Regular use of email, browsers, spreadsheets, 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 48 hours of upper level coursework in the 120 hour curriculum. Students are encouraged to consult with their Communication faculty advisor concerning courses which will best further the interests of each student.

The major requires a minimum of 36 hours of COMM courses. The following courses are required of all majors (21 hours):

- 1) COMM 1301, Introduction to the Study of Communication
- 2) COMM 2301, Modern Media and Society
- 3) COMM 1318, Interpersonal Communication OR COMM 2333, Small Group Communication
- 4) COMM 2302, Rhetoric in Western Thought
- 5) COMM 2351, Measurement in Communication
- 6) COMM 3360, Theories of Communication
- 7) COMM 4389, Seminar in Communication OR COMM 4392 Internship

The remaining 15 hours will be COMM electives or other electives. 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. This means that at least 12 of the 15 elective hours in Communication must be taken as upper level classes.

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.

- 1) MRKT 3300, Principles of Marketing
- 2) PSYC 3301, Introductory Statistics

## **Elective Courses**

To complete the 36 hours required in Communication, each student will enroll in 15 hours of elective COMM courses. At least 12 of those 15 hours will be at the 3000 level or higher. Students will fashion a program of study best suited to their individual goals in consultation with the Communication faculty advisor. We suggest the following program of study as a guideline:

### Freshman Year

COMM 1301 (Introduction to the Study of Communication)

COMM 1315 (Introduction to Public Speaking)

### Sophomore Year

COMM 1318 (Interpersonal Communication) or COMM 2333 (Small Group Communication)

COMM 2301 (Modern Media and Society)

COMM 2302 (Rhetoric in Western Thought)

COMM 2351 (Measurement in Communication)

### Junior Year

COMM 3360 (Theories in Communication)

2-3 electives chosen in consultation with your advisor

### Senior Year

COMM 4389 (Seminar in Communication) or COMM 4392 (Internship)

2-3 electives chosen in consultation with your advisor

## **Internships in Communication**

Internships are a traditional component of communication programs and strongly encouraged at UTPB. Students interested in Communication Internships should register for Comm 4392 before or on the "Last day to add a course" stated in the Course Schedule. They should turn in an internship proposal and the Agreement (between UTPB and the chosen organization) to the supervising professor within the first 2 weeks of the semester. They need to work at the chosen organizations for 100 or more hours during a semester and submit to the professor a summary reporting the results of their research and work experience at the end of the semester. Students employed in media-based organizations may enroll in Comm 4392 only if their internship experience is removed from their normal daily activity.

## **Minor in Communication**

Communication skills are an essential component of success in any field of endeavor, and the minor in Communication is an excellent companion to any major offered at the University. The requirement for a minor in Communication is 18 semester credit hours in the discipline with at least 9 of those hours at the upper level. No specific courses are required, and students are encouraged to consult with any member of the Communication faculty to determine a program of study which would be most useful in meeting their professional goals.

## **TExES Requirements**

Candidates for 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 1301 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. 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. F

**COMM 2302 Rhetoric in Western Thought (3)**

Explores theories of rhetoric ranging from ancient Greece to modern times. Students examine different concepts of how rhetoric is a tool for public power as well as its use to transmit common ideas in the Western intellectual heritage. S

**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 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.

**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 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 3301 Public Relations (3)**

This course is an introduction to public relations principles and practices. Students are introduced to the history and development of public relations as a profession over the years, to the range of responsibilities and functions that public relations practitioners assume in a variety of organizations, and to the significant issues and trends that shape and will continue to influence the practice of public relations in the future. F

**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.

**COMM 3311 Crisis Communication (3)**

The study and practice of communication strategies involved in preparing for and responding to crises. While a wide range of crises are considered, the course pays particular attention to corporate crises.

**COMM 3312 Nonverbal Communication (3)**

This course identifies the major areas of nonverbal communication and the current terminology used in the field. Relevant connections of nonverbal to other areas of communication will be presented.

**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 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.

**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.

**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.

**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.

**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.

**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.

**COMM 4312 Oral History Research (3)**

Students will produce audio documentary programs with digital production and editing equipment. Prerequisite: COMM 2303.

**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.

**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.

**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.

**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.

**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.

**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.

**COMM 4379 Topics in Rhetoric (3)**

Studies in the history, theories and methodologies of rhetoric. Course may be repeated with change in topic.

**COMM 4389 Seminar in Communication (3)**

Senior seminar in communication. Topics will vary according to class interests. Class may be repeated for credit when topic varies. Prerequisite: 18 credit hours of COMM coursework. F, S

**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

# 2011-2013 DEGREE PLAN: BA IN COMMUNICATION

Name: \_\_\_\_\_

UID: \_\_\_\_\_

Email address: \_\_\_\_\_

**Semester hours completed at other schools:**

Lower Transfer Hours \_\_\_\_\_  
 Upper Transfer \_\_\_\_\_  
 Total \_\_\_\_\_

Either or both of the following courses may be substituted for upper level Communication elective courses but cannot count toward the minor if counted toward the major:

MRKT 3300, Principles of Marketing  
 PSYC 3301, Introduction to Statistics

**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 sch must be completed at U.T.P.B. and at least 24 of the last 30 must be taken at U.T.P.B.
3. At least 48 sch must be taken at the upper level.
4. Complete at least 18 sch in a minor of which 9 sch must be upper level. Refer to the catalog for specific requirements.
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.

*For the remaining 15 hours students will choose a series of electives in consultation with their advisor. At least 12 of the 15 hours must be upper level:*

7 core courses plus at least 15 sch chosen in consultation with Communication faculty

COMM \_\_\_\_\_  
 COMM \_\_\_\_\_  
 COMM \_\_\_\_\_  
 COMM \_\_\_\_\_  
 COMM \_\_\_\_\_  
 COMM \_\_\_\_\_

**GENERAL EDUCATION REQUIREMENTS (44 sch)**

- \_\_\_\_\_ English Composition 1301 & 1302 (6 sch)
- \_\_\_\_\_ U.S. History 1301 & 1302 (6 sch)
- \_\_\_\_\_ Literature 23xx (3 sch)
- \_\_\_\_\_ Mathematics (3 sch)
- \_\_\_\_\_ Math (3 sch) (Statistics recommended)
- \_\_\_\_\_ Lab Science (8 sch)
- \_\_\_\_\_ Political Science 2305 & 2306 (6 sch)
- \_\_\_\_\_ Visual or Performing Art (3 sch)
- \_\_\_\_\_ COMM 1315 (3 sch)
- \_\_\_\_\_ Social Science (Soci, Psyc, Econ)(3 sch)

*TExES requirements:*

*Journalism Grades 8-12: COMM 2321, 2361, 3319, 4315, 3304, 6 hrs of COMM electives*  
*Speech Grades 8-12: COMM 2301, 1301, 2333, 3355, 2341, 4320, 4355, 6 hrs of COMM electives*

**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.*

**Required Core Courses (21 sch, 7 courses)**

- \_\_\_\_\_ COMM 1301 Intro to Study of Communication
- \_\_\_\_\_ COMM 1318 Interpersonal Communication OR COMM 2333 Small Group Communication
- \_\_\_\_\_ COMM 2301 Modern Media and Society
- \_\_\_\_\_ COMM 2302 Rhetoric in Western Thought
- \_\_\_\_\_ COMM 2351 Measurement in Communication
- \_\_\_\_\_ COMM 3360 Theories in Communication
- \_\_\_\_\_ COMM 4389 Seminar in Communication OR COMM 4392 Internship

**MINOR:** \_\_\_\_\_

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

The major in Communication requires that students complete 48 hours of upper level coursework in the 120 sch curriculum.

\_\_\_\_\_  
 Student's Signature Date

\_\_\_\_\_  
 Advisor's Signature Date

\_\_\_\_\_  
 Academic Advisor's Signature Date

## COMPUTER SCIENCE



**Dr. Ilhyun Lee**  
**Associate Professor**

Dr. Ilhyun Lee is an Associate Professor of Computer Science. He received his Ph.D. degree from Illinois Institute of Technology, Chicago, Illinois (1996). He was selected as Who's Who Among America's Teachers in 2006. His research interests include developing an Object-Oriented Scheduler in real-time environments. His research results have been published in the Journal of Computational Methods in Science and Engineering, and many refereed conference proceedings of the international computer science conferences sponsored by the well-known professional societies such as IEEE, ACM, and ISCA.

Administered by the Department of Mathematical and Computing Sciences 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 are 120.

#### **General Education**

Students must complete the requirements shown in the General Education Requirements section 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:

COSC 3310	Digital Computer Organization
COSC 3312	Discrete Mathematics
COSC 3315	Information Systems Design
COSC 3420	Data Structures

In addition to the common core, the student majoring in Computer Science is required to complete five advanced Computer Science courses including 3-6 hours of COSC 4395. These courses will be determined in consultation with the Computer Science faculty. In support of the major courses, the student is required to complete the Calculus sequence through MATH 2415, MATH 3301, and at least one additional mathematics course selected from MATH 3305, 3310, 3315 and 3320. Students at U. T. Permian Basin majoring in Computer Science are required to have a minor. The choice of the minor is up to the student but should be selected to further the student's education objectives.

No more than 45 semester credit hours of Computer Science may be applied toward the 120 semester hour minimum required for a degree.

**Additional requirements:**

1. The courses in laboratory sciences (as a part of the General Education Core) **must** form a two semester sequence.
2. One additional English Literature course (2000 or 3000 level).
3. Two capstone courses: NTSC 4301 and NTSC 4311.

**Computer Science as a minor**

Students seeking a minor in computer science must complete the courses listed below, or equivalent courses as approved by a computer science advisor.

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

Faculty in Computer Science may allow transferred credits to count towards a major or a minor in Computer Science. The number of credit hours required, at the upper-level or in total, cannot be reduced except by academic petition.

**Teacher Certification and TExES Requirements**

Candidates for TExES tests in Computer Science must complete the courses listed below, or equivalent courses as approved by a computer science advisor.

COSC 1430 Introduction to Computer Science I	4
COSC 2430 Introduction to Computer Science II	4
COSC 2420 C Programming, or another course in a high level Language approved by the advisor	3/4
COSC 3310 Digital Computer Organization	3
COSC 3312 Discrete Mathematics	3
COSC 3315 Information Systems Design	3
COSC 3420 Data Structures	<u>4</u>
TOTAL	24/25



## Course Listing

### **COSC 1335 Computers and Problem Solving (3)**

Introduction to basic issues related to computer aided problem solving. Computational problems will be studied using software packages, including spreadsheets and database systems. Use of the Internet and the World Wide Web, as problem solving resources is introduced. Basics of computer systems will be introduced. Same as Business Field of Study course COSC/BCIS 1305. Prerequisites: College Algebra or equivalent. FS

### **COSC 1430 Introduction to Computer Science I (4)**

Computer organization, algorithm design, programming, and elementary data structures. Introduction to programming in a high-level language. Prerequisite or Corequisite: Math 1332 or 1324 or 2412 or equivalent. FS

### **COSC 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. FS

### **COSC 3310 Digital Computer Organization (3)**

Design of arithmetic, control, and memory units, binary data representation, error-detecting and error-correcting codes. Prerequisite: COSC 2430. F

### **COSC 3312 Discrete Mathematics (3)**

Elementary logic, sets, functions, relations, permutations and combinations, modular arithmetic, graph theory and its applications. Prerequisite: MATH 2414. F

### **COSC 3315 Information Systems Design (3)**

Computer systems and relationships between hardware and software components. Emphasis on business system design and analysis. Prerequisite: COSC 2430. S

### **COSC 3360 Computer Ethics (3)**

An introduction to the responsibilities generally, and the ethical behavior specifically, expected of the computer and information systems professional. Includes the philosophical bases of ethical decision-making and the application of these principles to issues that arise in computing and information systems. Discussion of ethical standards as established by governmental bodies and professional organizations. Prerequisite: COSC 3315.

### **COSC 3420 Data Structures (4)**

Design and implementation of algorithms for handling data structures such as linear lists, linked lists, stacks, queues, graphs, trees and strings. Prerequisites: COSC2430 and COSC3312. S

### **COSC 4330 Operating Systems (3)**

Resource allocation including processors, main memory, I/O subsystems, and software resources. Prerequisites: COSC 3310, 3420.

### **COSC 4370 Data Communications (3)**

Theory and techniques related to signal transmission, transmission media, signal encoding, interfacing, data link control and protocols. 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)**

Introduction to database design and implementation using the ER model. Relational model concepts, constraints and relational algebra. Normalization, optimization and concurrency. Prerequisite: 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.

## Computer Science Degree Plan

Name \_\_\_\_\_

UID \_\_\_\_\_

Entered \_\_\_\_\_

This is a degree plan only. Teacher certification requires a separate certification plan.

	Date	Credits	Grade		Date	Credits	Grade
<b>Gen Ed Core</b>				<b>Major</b>			
UNIV 1101		1		COSC 1430		4	
ENGL 1301		3		COSC 2430		4	
ENGL 1302		3		COSC 2420		3	
HIST 1301		3		COSC 3310		3	
HIST 1302		3		COSC 3312		3	
PLSC 2305 (nat'l)		3		COSC 3315		3	
PLSC 2306 (st & loc)		3		COSC 3420		4	
ENGL 23xx (lit)		3		COSC 3/4xxx		3 or 4	
ENGL 2/3xxx (lit)		3		COSC 3/4xxx		3 or 4	
Fine Arts		3		COSC 3/4xxx		3 or 4	
COMM		3		COSC 3/4xxx		3 or 4	
Social Science		3		COSC 4395		3	
MATH 2412		4					
MATH 2413		4		<b>Mathematics</b>			
SCI w/ LAB, I		4		MATH 2414		4	
SCI w/ LAB, II		4		MATH 2415		4	
				MATH 3301		3	
<b>Capstone Courses</b>				One of: MATH 3305, 3310, 3315, 3320		3	
NTSC 4311		3					
<b>Minor</b>				<b>Electives</b>			
		3 or 4					
		3 or 4					
		3 or 4					
		3 or 4					
		3 or 4					
		3 or 4					

Degree plan must include at least 48 upper level semester credit hours

Degree plan must include at least 120 total semester credit hours

\_\_\_\_\_  
Advisor signature

\_\_\_\_\_  
Date

## CRIMINAL JUSTICE ONLINE (CCJO)



### **Robert E. Hollman, J.D., Ed. D. Lecturer of Criminology**

Dr. Hollman is UTPB's advisor to the CCJO program. He holds the BA in History, the MA in Government, the Doctorate in Education, and the Doctorate of Jurisprudence Degree, all from Texas Tech University. Dr. Hollman, a practicing attorney, has worked as a defense attorney, a prosecutor and a judge.

Administered by the Department of Social Sciences 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 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 autosomal 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 treatments, 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 3374 Homicide and Capital Punishment (UTD) (3)**

This course will provide students with an analysis of the nature, extent, and distribution of criminal homicide, one of the most egregious crimes that can be committed. Topics will include: statutory definition of homicide; trends and patterns of homicide; mass and serial murder; and victim/offender relationships. The course will also comprehensively examine the controversy surrounding the application of capital punishment through history; U.S. Supreme Court decisions on capital punishment; capital punishment proceedings in Texas; and contemporary problems with the application of the death penalty.

**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:

- a. use of DNA analysis in law and medicine; TWGDAM guidelines;
- b. scientific analytical techniques used to identify specific genes and mutations in individuals;
- c. validity of DNA data for use in law or medicine; and
- d. 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)**

The history, philosophy and development of adult and juvenile probation and parole in the United States are examined.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)**

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

**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 on 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
- \_\_\_ U.S. and State Government (6 hours) PLSC 2305 & 2306
- \_\_\_ Physical or Life Science (8 hours)
- \_\_\_ 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 the future.



## CRIMINOLOGY



**Richard G. Kiekbusch, PhD**  
**Associate Professor of Criminology**

Dr. Kiekbusch holds a BA, MA, and PhD, all in sociology from the University of Notre Dame. Dr. Kiekbusch 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. Kiekbusch provides expert witness and other consulting services in the area of correctional management. He serves on the editorial boards of several other practitioner publications and scholarly journals.

**Anthony Hoskin, PhD**  
**Assistant Professor of Criminology**

Dr. Hoskin graduated with honors from the University of Utah in 1993, earning a bachelor's degree in sociology. In 1999, he completed his PhD in sociology with an emphasis in criminology from the State University of New York in Albany. Professor Hoskin has taught a variety criminal justice courses for more than a decade. He specializes in quantitative research methods, criminological theories, and firearms and violence. He and his colleagues have published original research in prestigious journals, including *Justice Quarterly* and *Criminology*.

Administered by the Department of Social Sciences within the College of Arts and Sciences.

Students who major in criminology will obtain a Bachelor of Arts degree. Criminology is an interdisciplinary behavioral science which includes the study of law, the causes of criminal behavior and the agencies of social control which society has established to prevent and control crime.

The criminology program at U. T. Permian Basin is committed to the personal, analytical and professional development of its students. Many will choose to continue their education in graduate studies or law school, while others will accept

employment in criminal justice agencies such as law enforcement, courts, corrections or other social service organizations. The criminology program is committed to developing the student's sensitivity to the human and social condition, coupled with an understanding and ability to participate constructively in the improvement of both.

The criminology advisor will assist in developing a degree plan which best suits the needs of the individual student.

*Transfer students* should note that only those courses designated by the Texas Higher Education Coordinating Board as academic transfer courses and showing the CRIJ prefix will be accepted at U. T. Permian Basin. Courses showing WECM prefixes are not accepted in transfer even if the course is cross-listed with an academic transfer course.

### **Degree Requirements**

The total number of semester credit hours required for a B.A. in Criminology is 120.

### **General Education Requirements**

**44 Semester credit hours**

Students must complete the requirements shown in the General Education Requirements section of this catalog.

### **Computer Use**

All Criminology majors must demonstrate a basic use of computing through completion of CRIM 3360 and CRIM 4360.

### **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. CRIM 3360, CRIM 4360, and CRIM 4392 must be taken in the sequence shown below.

CRIM 2336	Introduction to Criminology
CRIM 3360	Introductory Statistics for Criminology
CRIM 4332	Theories of Criminal Behavior
CRIM 4360	Research Methods for Criminology
CRIM 4392	Senior Internship in Criminal Justice

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 BS degree in Criminal Justice (CCJO). See pages.

### **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 investigative administrative procedures. Problems and special issues in police administration are also considered and evaluated. F

**CRIM 3360 Introductory Statistics For Criminology (3) †**

A study of statistics as applied to issues in Criminal Justice and Criminology include frequency functions, correlation and regression, and statistical tests of significance. No prerequisites. 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 4360 Research Methods For Criminology (3)**

An explanation of the basic methods of scientific inquiry in the behavioral sciences. Emphasis is on the practices aspects of research design and implementation in criminal justice and criminology. Prerequisites: Completion of CRIM 3360 with a grade of C or better.

**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. F

**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. Su

**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 4384 The Death Penalty (3)**

This course is designed to provide students with an understanding of the role of the death penalty in the criminal justice system and to create an environment where students are encouraged to express their ideas and make compelling arguments about the utility of the death penalty as a form of punishment.

**CRIM 4385 Civil Liability in Criminal Justice (3)**

This is an introduction to the concept of civil liability in the criminal justice system. The primary focuses are on law enforcement and corrections. Among the topics discussed are the foundations of civil liability, the differences between criminal and civil jurisprudence, and the most common sources of liability exposure in law enforcement and corrections. Actual cases will be reviewed. F

**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 Senior Internship in Criminal Justice (3)**

A supervised field experience in a criminal justice, juvenile justice, or related agency. The student is offered the opportunity to gain knowledge, methods, and skills of the agency. The student will present a paper to the Criminology faculty detailing his/her experience with the agency, summarizing the new knowledge that he/she gained by working there, and proposing a research design by which he/she would evaluate the agency's effectiveness. The research design should reflect the statistical and methodological knowledge acquired by the student in CRIM 3360 and CRIM 4360.

Preference is given to graduating seniors. F S

**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.

† Course fulfills general education requirements.

## 2009-2011 DEGREE PLAN: BA IN CRIMINOLOGY

**General Education Requirements (44 hours):**

- \_\_\_ English Composition (6 hours) 1301 & 1302
- \_\_\_ U.S. History (6 hours) 1301 & 1302
- \_\_\_ U.S. and State Government (6 hours)  
    PLSC 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) (Soci, Psyc, Econ)

\*MATH 1332 & CRIM 3360 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.

DISC.	COURSE	CREDIT HR.
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
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.
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
- \_\_\_ CRIM 3360 Introductory Statistics for Criminology
- \_\_\_ CRIM 4360 Research Methods for Criminology
- \_\_\_ CRIM 4332 Theories of Criminal Behavior
- \_\_\_ CRIM 4392 Senior Internship in Criminal Justice

**SOCI 3317; SOCI 4303; CRIM 4392 MUST BE TAKEN IN SEQUENCE SHOWN. CRIM 3360 and 4360 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 4384 The Death Penalty
- \_\_\_ CRIM 4385 Civil Liability in Criminal Justice
- \_\_\_ CRIM 4389 Selected Topics \_\_\_\_\_
- \_\_\_ CRIM 4391 Contract Study \_\_\_\_\_
- \_\_\_ CRIM 4392 Senior Internship in Criminal Justice
- \_\_\_ CRIM \_\_\_\_\_
- \_\_\_ CRIM \_\_\_\_\_
- \_\_\_ CRIM \_\_\_\_\_
- \_\_\_ CRIM \_\_\_\_\_
- \_\_\_ CRIM \_\_\_\_\_

## DRAMA

The Minor in Drama requires twenty semester hours, at least thirteen of which must be at the junior or senior level. DRAM 1305, Production Internship, DRAM 2301, Theatre Appreciation; DRAM 2302, Acting I, DRAM 3305, Advanced Production Internship, are required as is one Dramatic Literature course (the student may select either DRAM 3310, Drama: Comedy; DRAM 3311, Tragedy and Melodrama; DRAM 4305, American Drama; or DRAM 4365, Shakespeare.).

### Required Courses

#### **DRAM 1305 Production Internship(1-3)**

Student will designate a focus and design and carry out a project in technical production work at Founders' Theatre. May be repeated for credit up to a maximum of three hours.

#### **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 2302 Acting I (3)**

Beginning acting methodology (physical, vocal, and imaginative) which introduces the student to the skills and strategies of performance. Includes a study of the history of acting.

#### **DRAM 3305 Advanced Internship (1-3)**

Student will carry out an advanced project in design or technology at Founders' Theatre or other local theatres. May be repeated up to a maximum of three hours. Prerequisite: DRAM 1305 or instructor's permission.

#### **One of the following:**

#### **DRAM 3310 Tragedy and Melodrama (3)**

Transnational genre course surveying serious dramatic literature from Greek to present-day playwrights. Prerequisite: any 2000 level English course or DRAM 2301 or DRAM 4340.

#### **DRAM 3311 Drama: Comedy**

Transnational genre course surveying comic drama from Greek to present-day playwrights. Prerequisite: any 2000 level English course or DRAM 2301 or DRAM 4340.

#### **DRAM 4305 American Drama (3)**

Historical development of American drama: types of dramatic literature and masterpieces in American drama. Prerequisite: English 3300 or DRAM 2301 or DRAM 4340.

#### **DRAM 4365 Shakespeare (3)**

A study of Shakespearean drama organized around a genre or a theme. May be repeated. Prerequisite: ENGL 3300 or DRAM 2301 or DRAM 4340.

## **Selected Courses**

### **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 3391 Contract Study (3)**

Preparation of individual projects as designed by the student and guided by the teacher. Instructor approval required. Prerequisite: one sophomore level Drama course.

### **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: 2000 or 3000 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.

### **DRAM 4391 Contract Study (3)**

Preparation of individual projects as designed by the student and guided by the teacher. Instructor approval required. Prerequisite: one junior level Drama course.

**†Courses fulfill general education requirements**

## **B.A. IN HUMANITIES WITH A CONCENTRATION IN THEATRE**

The following courses are suggested for those students wishing to obtain a concentration in Theatre within the Humanities BA. These classes are suitable background preparation for students wishing to teach Theatre or who wish to apply for graduate programs in Theatre.

### **FOUNDATION CLASSES**

DRAM 1301, Production Internship

DRAM 2301, Theatre Appreciation

DRAM 3301, Advance Internship

### **PERFORMANCE CLASSES:**

DRAM 2302, Acting I

DRAM 3302, Acting II

### **THEATRE HISTORY:**

DRAMA 4340, Topics in Theatre History, Greek to Renaissance

DRAMA 4340, Topics in Theatre History, Seventeenth Century to Present

### **THEATRE LITERATURE:**

Either DRAM 3310, Tragedy and Melodrama, and DRAM 3311, Comedy

Or DRAM 4305, American Drama, and DRAM 4365, Shakespeare

### **CAPSTONE COURSE:**

- DRAM 4379, Directing

Students selecting a concentration in Theatre are urged to consider including within their 54-hour Humanities major coursework in Art (particularly 2-D Design and Art History) and Music (particularly Vocal Music and Music History) because such fine arts courses provide an enormously useful cultural context for the study of Theatre.



## Energy Studies (Minor only)

Administered by the Department of Physical Sciences within the College of Arts and Sciences. Understanding energy in all its forms and applications is vital to our nation's future. The Energy Studies minor offers students the opportunity to gain energy literacy—the informed understanding of energy sources, problems, and priorities in our nation and the world—by gaining energy-related knowledge from a variety of disciplines. Such knowledge is essential not only to those who will work in the energy industry but to all who will be future decision-makers on the energy questions confronting business and society.

### Minor Requirements

The total semester credit hours required for a minor in Energy Studies is 18 hours, of which at least 9 hours must be at upper level. Students are encouraged to consider taking more than the minimum hours and to diversify their choices among disciplines. Courses may be selected from those listed below. Note that a number of the courses have prerequisites that must be completed before enrolling in them. Additional courses under development may also be approved for the Energy Studies minor.

### Business courses

ACCT 4310: Oil and Gas Accounting  
ECON 2301: Principles of Economics  
ECON 2311: International Trade  
ECON 4333: Business and Economic History  
FINA 3320: Principles of Finance  
MNGT 3309: Energy Management  
MNGT 3370: Business and Society  
MNGT 4310: Management of Hydrocarbon-based Energy Enterprises  
MNGT 4324: Oil and Gas Law/Taxation

ENSC 4310: Environmental Pollution and Control  
ENSC 4350: Environmental Impact Analysis  
GEOL 1301/1101: Physical Geology w/lab  
GEOL 1302/1102: Historical Geology w/lab  
GEOL 3308: Sedimentary Rocks  
GEOL 4317: Geology of the Permian Basin

### Technology courses

PTEC 3301: Petroleum Fundamentals  
PTEC 4303: Petroleum Production Technology

### Communication, History, and Social Science courses

COMM 3375: Political Communication  
HIST 3348: US 1945 to the Present  
HIST 4370: The American Petroleum Industry  
PLSC 4341: Environmental Policy  
PLSC 4345: Public Policy  
SOCl 4316: Social Determinants of Energy Use

### Science courses

CHEM 1301/1103: Chemistry in Context w/ lab  
CHEM 1311/1111: General Chemistry I w/ lab  
CHEM 1312/1112: General Chemistry II w/ lab  
ENSC 1401: Environmental Science I  
ENSC 1402: Environmental Science II  
ENSC 3320: Environmental Law  
ENSC 3404: Environmental Problems

## ENGLISH



**Sophia P. Andres, PhD**  
**Chair of the Department of Literature and Languages**  
**Professor of English**

Sophia Andres is Professor of English, Kathlyn Cospers Dunagan Professor in the Humanities, and Chair of the Department of Literature and Languages at the University of Texas of the Permian Basin where she teaches Romantic literature, Victorian literature and art, Literature and Mythology, as well as modern and postmodern British fiction. She is the recipient of the 2008 Minnie Stevens Piper Award for Outstanding Academic and Scholarly Achievement, the Chancellor's Council Outstanding Teaching Award, and the President's Outstanding Research Award. Her work has appeared in several journals and books including the following: *ELH*, *Journal of Narrative Technique*, *Journal of Narrative Theory*, *Victorians Institute Journal*, *Victorian Newsletter*, *Clio*, *George Eliot—George Henry Lewes Studies*, *Journal of Pre-Raphaelite Studies*. Her recent book, *The Pre-Raphaelite Art of the Victorian Novel: Narrative Challenges to Visual Gendered Boundaries* (2005), was published by Ohio State University Press and was awarded the 2006 South Central Modern Language Association Book Award. She is currently working on a book tentatively titled "Pre-Raphaelite Poetic Visions."



**Mark Wildermuth, PhD**  
**Professor of English**

Dr. Wildermuth is Professor of English and Fellow in the Kathlyn Cospers Dunagan Professorship in Humanities. He is widely known for his interest in films as literature. His book, [Blood in the Moonlight: Michael Mann and Information Age Cinema](#) was published by McFarland Performing Arts Publications in 2005, and his book [Print, Chaos and Complexity: Samuel Johnson and Eighteenth-Century Media Culture](#) was published by the University of Delaware Press in 2008. His research has been published in *Philosophy and Rhetoric*, *Rhetoric Society Quarterly*, *The Age of Johnson*, *The Eighteenth Century: Theory and Interpretation*, and *The Journal of Popular Film and Television*.

Administered by the Department of Literature and Languages 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 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 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 4301	Nineteenth-Century American Poetry
ENGL 4302	Twentieth-Century American Poetry
ENGL 4305	American Drama
ENGL 4312	Twentieth-Century American Fiction
ENGL 4361	New York School Poets

### **Electives**

ENGL 3310	Drama: Tragedy & Melodrama
ENGL 3311	Drama: Comedy
ENGL 3330	Film as Literature

ENGL 3333	Literature & Mythology
ENGL 3341	Creative Writing
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.

## TEsES Requirements

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 EDUC 4323, 4326 and 4375.

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 or 4323; EDUC 4325, 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; GEOG 1302 or 1303; HIST 1301, 1302, and 3350; HIST (two upper level US history course and one non-US course); PLSC 2305, 2306; EDUC 3322 or 4323; EDUC 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)<sup>†</sup>**

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)<sup>†</sup>**

Composition II covers argument, rhetorical analysis and the research paper. In this course students analyze and respond to texts of various kinds through essays and research papers. Students will learn to defend their points of view by using textual evidence and strong rhetoric. Readings and exercises help student learn to write broad-minded, well-informed essays in polished academic prose that moves and educates the reader. Prerequisite: ENGL 1301. FS

#### **ENGL 2322 British Literature to 1800 (3)<sup>†</sup>**

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)<sup>†</sup>**

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)<sup>†</sup>**

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 2389 Selected Topics (3)**

Occasionally offered special topics literature courses at the sophomore level to be used as electives.

**ENGL 3300 Theoretical Approaches to Literature (3)**

An introduction to the analysis of literary texts as informed by important methods and schools of literary criticism. Attention to the three major genres of literature – poetry, drama and fiction. Frequent writing assignments. Course available only for English majors, English minors, and those with English as a second teaching field. Prerequisite: Any 2000 level English class. FS

**ENGL 3306 American Multicultural Fiction (3)**

Study of canonical and noncanonical texts from a variety of American cultures, in historical contexts, from pre-Columbian to the present. All readings in English. Prerequisites: any 2000 English course.

**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 or DRAM 2301 or DRAM 4340.

**ENGL 3311 Drama: Comedy (3)**

Transnational genre course surveying comic drama from Greek to present-day playwrights. Prerequisite: any 2000 level English course. Prerequisite: any 2000 level English course.

**ENGL 3320 American Fiction 1860-1900 (3)**

This course explores the development of the American novel, both canonical and emerging, from Realism through Naturalism. Prerequisite: any 2000 level English course.

**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 3335 American Women Novelists (3)**

This course examines canonical and emerging women writers from the Early Republic up to the present day. We will discuss the ways in which cultural contexts (and contests) gave rise to specific texts and determined their meanings. Prerequisite: any 2000 level English course.

**ENGL 3336 Global Literature (3)**

Global literature is an introduction to the concept and theory of global literature using a cohesive theme to study the influential literary classics in Western and non-Western traditions. All readings are English translations. Prerequisite: ENGL 1302. FS

**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.

**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 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.

**ENGL 3371 The English Language (3)**

This course covers aspects of English language linguistics including but not limited to phonetics, phonology, morphology, syntax, semantics, stylistics, discourse, varieties and dialects, global Englishes, social factors such as region, age, race, class, ethnicity and gender, the history of English, lexicography, and other relevant topics. Prerequisites: ENGL 1302 and one 2000-level literature class. F

**ENGL 3372 English Grammar (3)**

An analysis of the basic structure of English grammar. The course will present the essential components of English grammar through reading, lecture, discussion, and exercises. Prerequisite: ENGL 1302. S

**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 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 or DRAM 2301 or DRAM 4340.

**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 4315 American Romantic Fiction 1800-1860 (3)**

This course examines canonical and emerging writers of the Romantic era. Particular attention will be given to the American Gothic, American Transcendentalism, and the sentimental tradition. Prerequisite: at least one 3000 level course 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.

**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 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 Professional Writing (3)**

Intensive work in business and technical writing, with the purpose of developing a portfolio. Workshop format with practicum. 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.

**ENGL 4361 New York School Poets (3)**

A focused study of the mid to late twentieth-century group of writers known as the New York School poets, including John Ashbery, Frank O'Hara, James Schuyler, Kenneth Koch, and Barbara Guest. The course will also examine cultural, aesthetic and political changes arising in the late 1950's to provide a context for the poetry of the New York School. Prerequisite: at least one 3000 level English course or permission of the instructor.

**ENGL 4365 Shakespeare (3)**

A study of Shakespearean drama organized around a genre (Comedy, History, Tragedy) or a theme. May be repeated. Prerequisite: ENGL 3300 or DRAM 2301 or DRAM 4340.

**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 4372 Semantics (3)**

The study of basic concepts in semantics, including word meaning, reference and sense, logic, and interpersonal meaning. Prerequisite: One 3000 level English course.

**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. Prerequisite: ENGL 3300.

† Course fulfills general education requirements.



## 2011-2013 DEGREE PLAN: BA IN ENGLISH

### DEGREE REQUIREMENTS:

It is the student's responsibility to read the university catalog and be familiar with degree requirements.

1. Complete at least 120 semester credit hours.
2. Complete at least 54 hours at the junior/senior level.  
At least 30 of these hours must be completed at UTPB
3. Complete at least 18 hours in a minor. At least 9 of these must be at the junior/senior level. Students seeking a second teaching field for secondary certification in English must complete all requirements for the major.
4. Earn at least a C grade in all English courses counting toward the minimum course requirements and maintain at least a GPA of 2.00 for all courses applicable toward the B.A. degree. Students seeking teacher certification must maintain a GPA of at least 2.75 in all English courses beyond Freshman Composition.

### SEMESTER HOURS COMPLETED AT OTHER SCHOOLS:

Lower division total..... \_\_\_\_\_  
Upper division total ..... \_\_\_\_\_  
Total hours counted toward degree..... \_\_\_\_\_

### GENERAL EDUCATION REQUIREMENTS (44 sch):

\_\_\_\_\_ English Composition, 1301 & 1302  
\_\_\_\_\_ Sophomore Literature, 2322, 2323, 2327, 2328  
\_\_\_\_\_ U. S. History, 1301 & 1302  
\_\_\_\_\_ U.S. and State Government, 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(3sch)

### 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 18<sup>th</sup> Century Women Poets  
\_\_\_\_\_ 4321 Topics in British Poetry  
\_\_\_\_\_ 4325 Topics in British Drama  
\_\_\_\_\_ 4332 19<sup>th</sup> Century British Novel  
\_\_\_\_\_ 4333 20<sup>th</sup> Century British Novel  
\_\_\_\_\_ Other \_\_\_\_\_  
\_\_\_\_\_ Other \_\_\_\_\_  
\_\_\_\_\_ Other \_\_\_\_\_  
\_\_\_\_\_ Other \_\_\_\_\_

#### AMERICAN LITERATURE (one required)

\_\_\_\_\_ 2327 American Literature to 1865  
\_\_\_\_\_ 2328 American Literature since 1865  
\_\_\_\_\_ 3306 Ethnic Literature  
\_\_\_\_\_ 4301 19<sup>th</sup> Century American Poetry  
\_\_\_\_\_ 4302 20<sup>th</sup> Century American Poetry  
\_\_\_\_\_ 4305 American Drama  
\_\_\_\_\_ 4311 19<sup>th</sup> Century American Fiction  
\_\_\_\_\_ 4312 20<sup>th</sup> Century American Fiction  
\_\_\_\_\_ 4361 New York School Poets  
\_\_\_\_\_ Other \_\_\_\_\_  
\_\_\_\_\_ Other \_\_\_\_\_  
\_\_\_\_\_ Other \_\_\_\_\_

#### ELECTIVES

\_\_\_\_\_ 3310 Drama: Tragedy and Melodrama  
\_\_\_\_\_ 3311 Drama: Comedy  
\_\_\_\_\_ 3330 Film as Literature  
\_\_\_\_\_ 3333 Literature and Mythology  
\_\_\_\_\_ 3341 Creative Writing  
\_\_\_\_\_ 3362 Poetry: Forms and Themes  
\_\_\_\_\_ 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. _____ |

# DEGREE PLAN: Bachelor of Arts in English – English Education Certification Track

NAME \_\_\_\_\_  
SEMESTER ADMITTED \_\_\_\_\_

SID# \_\_\_\_\_  
THEA: R= \_\_\_\_\_ W= \_\_\_\_\_ M= \_\_\_\_\_

## 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 filed 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.

## TRANSFER HOURS FROM OTHER INSTITUTIONS:

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 (3sch)
- \_\_\_\_\_ Mathematics/Computer Science/Logic/Statistics (3sch)

## REQUIRED ENGLISH COURSES FOR ENGLISH CERTIFICATION:

A TOTAL OF THIRTY HOURS (30sch) of study is required for the English certification track; 6 sch may be at the sophomore (2000) level; 6 sch MUST be at the senior (4000) level. The freshman English courses 1301 and 1302 are not included in these hours. Included in those 30 hours for the major must be:

1. ENGL 3300, Theoretical Approaches to Literature \_\_\_\_\_
2. ENGL 4371, Rhetoric and Composition \_\_\_\_\_
3. One upper level course in each category, one of which must be at the senior (4000) level:

POETRY \_\_\_\_\_ FICTION \_\_\_\_\_ DRAMA \_\_\_\_\_

4. Distribution as specified among the following groups of courses:

### BRITISH LITERATURE (one required)

- \_\_\_\_\_ 2322 British Literature to 1800
- \_\_\_\_\_ 2323 British Literature since 1800

### AMERICAN LITERATURE (one required)

- \_\_\_\_\_ 2327 American Literature to 1865
- \_\_\_\_\_ 2328 American Literature since 1865

### MULTICULTURAL LITERATURE (one required)

- \_\_\_\_\_ 3306 American Multicultural Fiction
- \_\_\_\_\_ 3336 Global Literature

### LITERATURE AND THE VISUAL (one required)

- \_\_\_\_\_ 3330 Film as Literature
- \_\_\_\_\_ 3332 Literature and Art
- \_\_\_\_\_ 3333 Literature and Mythology

### LANGUAGE/RHETORIC (one required)

- \_\_\_\_\_ 3340 Advanced Composition
- \_\_\_\_\_ 3371 The English Language
- \_\_\_\_\_ 3372 English Grammar

## ELECTIVES:

- \_\_\_\_\_ 3310 Drama: Tragedy and Melodrama
- \_\_\_\_\_ 3311 Drama: Comedy
- \_\_\_\_\_ 3325 American Women Playwrights
- \_\_\_\_\_ 3341 Creative Writing
- \_\_\_\_\_ 3352 18<sup>th</sup> Century Women Poets (British)
- \_\_\_\_\_ 3361 World Novels in Translation
- \_\_\_\_\_ 3362 Poetry: Forms and Themes
- \_\_\_\_\_ 4301 19<sup>th</sup> Century American Poetry
- \_\_\_\_\_ 4302 20<sup>th</sup> Century American Poetry
- \_\_\_\_\_ 4305 American Drama
- \_\_\_\_\_ 4311 19<sup>th</sup> Century American Fiction
- \_\_\_\_\_ 4312 20<sup>th</sup> Century American Fiction
- \_\_\_\_\_ 4321 Topics in British Poetry
- \_\_\_\_\_ 4325 Topics in British Drama
- \_\_\_\_\_ 4332 19<sup>th</sup> Century British Novel
- \_\_\_\_\_ 4333 20<sup>th</sup> Century British Novel
- \_\_\_\_\_ 4361 New York School Poets
- \_\_\_\_\_ Other \_\_\_\_\_
- \_\_\_\_\_ Other \_\_\_\_\_
- \_\_\_\_\_ Other \_\_\_\_\_

## MINOR (OR SECOND TEACHING FIELD) (18 sch):

- XXXX \_\_\_\_\_
- XXXX \_\_\_\_\_
- XXXX \_\_\_\_\_
- XXXXupper level \_\_\_\_\_
- XXXXupper level \_\_\_\_\_
- XXXXupper level \_\_\_\_\_

## EDUCATION CERTIFICATION REQUIREMENTS:

PHASE I: Teacher Education Core- must complete with a 2.75 GPA or better and no grade lower than a C.

- \_\_\_\_\_ PSYC 3341 Child/Adolescent Psychology
- \_\_\_\_\_ EDUC 3352 The Exceptional Child
- \_\_\_\_\_ EDUC 3362 Bilingual/Multicultural Education
- \_\_\_\_\_ EDUC 3370 Foundations of Education

PHASE II: Apply for Admission to Teacher Certification Program. Fill out an application in the Certification Office the semester prior to enrollment of Phase III courses.

- \_\_\_\_\_ COMM 1315 Introduction to Public Speaking (must make a C or better)

PHASE III: Literacy & Pedagogy (program admission required to begin Phase III)

- \_\_\_\_\_ EDUC 4322 Classroom Instruction/Management
- \_\_\_\_\_ EDUC 4326 Reading/Literacy in Content Areas  
Requires lab time in public school classrooms  
Take Diagnostic Pretests for the TExES

PHASE V: Content-Area Methods

- \_\_\_\_\_ EDUC 4371 Teaching English Language Arts 8-12

PHASE VI:

- \_\_\_\_\_ Take/pass Content Area TExES ( and PPR if eligible)

PHASE VII: Student Teaching

\_\_\_\_\_ Apply for Admission to Student Teaching when taking your Last methods course. Passing the English Language Arts TExES is required for admission.

- \_\_\_\_\_ EDUC 4099 Seminar: Student Teaching  
Must pass PPR TExES to complete seminar

- \_\_\_\_\_ EDUC 4685 Student Teach: Content Spec. 8-12

PHASE VIII:

- \_\_\_\_\_ Apply for Certification

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Advisor Signature \_\_\_\_\_ Date \_\_\_\_\_

## MINOR IN ENVIRONMENTAL SCIENCE

The ENSC minor is administered by the Department of Physical Sciences within the College of Arts and Sciences. Consult with the College of Arts and Sciences Academic Advising Office for additional information.

Environmental Science issues and careers require scientists who are: educated in more than one discipline, technically skilled, and aware of the political and social aspects of environmental problems. An understanding of both basic science and applied science is important for this dynamic area of study. Therefore, the minor requires strong foundations of supporting science courses in biology, chemistry, and geology. These courses provide students with the needed breadth and depth of knowledge to understand and address both natural resources and the complex environmental problems facing modern society.

The minor in Environmental Science at the University of Texas of the Permian Basin is designed for students who expect to work professionally in environmental science related job. It provides an understanding of both basic science and applied science. Specific coursework includes a variety of topics ranging from ecology, to geographic information systems and environmental law, while obtaining the critical hands-on experience of statistical sampling and instrumental analysis skills in courses such as analytical chemistry.

Students in the program are also strongly encouraged to join the National Association of Environmental Professionals (NAEP) which provides opportunities for professional growth and interactions with professionals in the field.

### Requirements

The total semester credit hours required for a minor in Environmental Science is six courses with a total of credit of 18 hrs.

#### Compulsory courses

Complete the following specific courses

		Credit hrs
ENSC 3301	Environmental Sc I	3
ENSC 3302	Environmental Sc II	3

#### Electives

12 credit hours from the following group:

ENSC 3310	Water Quality	3
ENSC 3320	Environmental law	3
ENSC 4329	Geog Info Systems (GIS) Applications	3
ENSC 4360	Advance Environmental Science Topics	3
ENSC 4395	Research in Environmental Science	3

## Course Listing

### **ENSC 3301 Environmental Science I (3)**

This complete survey of modern environmental science and environmental engineering covers the spheres of the environment: water, air, earth, life, and human activities, especially technologies, which affect the earth and its bio-sphere. Prerequisites: CHEM 1311, 1312, or GEOL 1301, 1302, Co-requisite BIO 1306, 1307. F.

### **ENSC 3302 Environmental Science II (3)**

This complete survey of modern environmental science and environmental engineering covers the spheres of the environment: water, air, earth, life, and human activities, especially technologies, which affect the earth and its bio-sphere. Prerequisite: ENSC 3301 or consent of instructor. S.

### **ENSC 3310 Water Quality (3)**

Sampling, physical, chemical, and biological properties of water, methods of water and wastewater treatments and the quality of reclaimed water will be discussed, including topics such as water pollution, measurement of water quality, water law and standards, and solid waste management. Pre-or Corequisites: ENSC 3301. F.

### **ENSC 3315 Air Quality (3)**

Provides a comprehensive overview of air quality issues, including a better understanding of atmospheric chemistry, the effects of pollution on public health and the environment, and the technology and regulatory practices used to achieve air quality goals. Pre-or Corequisites: ENSC 3301. S.

### **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. are taught. Pre-or Corequisites: ENSC 3301 or consent of instructor. F.

### **ENSC 4329 Geographical Information Systems (GIS) Applications (3)**

Principles and techniques of spatial data collection, handling, analysis, and visualization are continued. Application of geographic information systems technology in land use, ecology, resource management, environmental site evaluation, demographics and marketing, and map-making. Hands-on experience with workstation and ware is included. Prerequisite: GEOL 3329, or consent of instructor. S.

### **ENSC 4360 Advance Environmental Science Topics (3)**

Topics in environmental science which may include for examples: environmental impact assessment, environmental health and toxicology, oceanography, land reclamation, green chemistry, and sustainable energy. Pre- or Corequisites: ENSC 3302. S.

### **ENSC 4395 Research in Environmental Science (3)**

An introduction to research related to environmental issues and problems. Students will identify a research problem of local or regional interest to work on. This course will enhance students interdisciplinary grasp of environmental-energy issues and their technical, policy, human and social dimensions. Prerequisite: ENSC 3301. F, S, Sm.

## FINE ARTS (Minor Only)

Administered by the Department of Visual and Performing 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 requirements for the Fine Arts minor include a minimum of 18 semester credit hours as follows:

		<u>Semester Credit Hours</u>
ARTS 1301	Art Appreciation	3
MUSI 1306	Music Appreciation	3
DRAM 2301	Theatre Appreciation	<u>3</u>
Subtotal:		9 hours

The remaining nine semester credit hours may be any combination of junior or senior level courses in Art, Drama, and/or Music.

9  
**Total: 18 hours**

# GEOGRAPHY

## (Minor Only)

Administered by the Department of Physical Sciences with in the College of Arts and Sciences. 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 students seeking teacher certification.

### Geography Minor Requirements

GEOG 1301	Physical Geography	3	<b>18 credits</b>
GEOG 1302	Cultural Geography	3	
12 hours upper level Geography courses		12	

### TEExES Requirements

To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-4 or 4-8 must take at least 9 hours of math (may include statistics) at or above college-level algebra and at least 12 hours of science. They should plan accordingly when meeting general education and elective course requirements. Students seeking certification as a 4-8 Generalist must take at least 12 hours of math and 14-16 hours of science. (Students certifying to teach 4-8 Math or Science will have additional hours in their respective disciplines.) Candidates for TEExES tests in 4-8 Social Studies 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 20<sup>th</sup>-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. FS

#### **GEOG 3301 Maps and Map Interpretation (3)**

History of maps and mapping, types and uses of maps, sources of maps, map reading and interpretation. Prerequisite: Permission of the instructor.

#### **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.**

# GEOLOGY

Administered by the Department of Physical Sciences 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 market place. Because rocks belonging to almost all geologic systems do not crop out in the Permian Basin, field studies serve as a capstone experience of the curriculum and thus are a very important curricular component.

The Geology program features three basic degree plans: a General Geology Pre-Professional Plan, a Petroleum Geology Plan, and an Environmental Geology Plan.

## Degree Requirements – All Plans

**The total semester credit hours required for a Bachelor of Science degree in Geology, regardless of plan, is 120.**

### General Education Degree Requirements

**49 credit hours**

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

Mathematics Requirement : MATH 2413 (4) and 2414 (4)

Geology Requirement: GEOL 1301/1101 (4) and 1302/1102 (4)

Computer Use: COSC 1335 (3)

### Additional Science Requirements

**16 credit hours**

CHEM 1311/1111 (4) and 1312/1112 (4)

PHYS 1301/1101 (4) and 1302/1102 (4) or 2325/2125 (4) AND 2326/2126 (4)

## Degree Requirements: General Geology Pre-Professional Plan

The General Geology Pre-Professional Plan in the Department of Physical Sciences is designed for students who are planning to pursue graduate degrees in Geology or who prefer to have all potential B.S. employment options available to them. The B.S. in Geology degree enables students to work as geologists for private or governmental employers in environmental science, for most mining companies, and, with appropriate education courses, as K-12 teachers of Earth Science or Geology. A Bachelor of Science degree will also enable a person to work as a geotechnician in the petroleum industry.

Because UTPB does not offer a Summer Field Geology Course, it must be taken at a University that offers it. Those credits are then transferred back to UTPB. Students must obtain their advisor's approval for the specific institution selected for that Summer Field Geology Course (6 credit hours) and the transcript will reflect the course number used by the institution from which they took the course. Students who are unable to take the capstone Summer Field Geology Course can complete their degree by taking two additional upper level courses in Geology, but must be aware of the consequences of this alternative. Students making this two courses election understand that their future employment opportunities after graduation will be strongly limited because government positions or graduate studies require the Summer Field Geology Course.



**Core 33 credit hours**

Take all of the following:

- GEOL 3303/3103 (4) Mineralogy
- GEOL 3304/3104 (4) Igneous and Metamorphic Rocks
- GEOL 3305/3105 (4) Structural Geology
- GEOL 3307/3107 (4) Invertebrate Paleontology
- GEOL 3308/3108 (4) Sedimentary Rocks
- GEOL 3309 (3) Sequence Stratigraphy
- GEOL 3329 (3) GIS and GPS Applications
- GEOL 4100 (1) Basic Field Methods
- GEOL XXXX (6) Summer Field Geology Course

**Geology Electives:** Courses as needed to complete the required 120 hours.

**MINOR**

Minors may be completed from any discipline, but one of the following is strongly recommended: Biology, Chemistry, Computer Science, Environmental Science, or Mathematics.

**Minor in Geology**

GEOL 1301/1101 (4) and GEOL 1302/1102 (4) totaling eight credit hours are required. 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, 3308/3108, 3317, 3318, 3329, 4307/4107, and 4316.

**Degree Requirements: Petroleum Geology Plan**

The Petroleum Geology Plan in the Department of Physical Sciences is designed for students who intend to pursue employment in the petroleum industry or in state or federal agencies that regulate the petroleum industry. Most oil companies hire B.S. level geologists as geotechnicians; thus the opportunity for a full-fledged geologist position typically requires a graduate degree. However, a foot in the door as a geotechnician means excellent pay and the opportunity for your employer to pay for your graduate education.

Because UTPB does not offer a Summer Field Geology Course, students must take it at a University that offers it, and transfer those credits back to UTPB. They must obtain their advisor's approval for the specific institution selected for that Summer Field Geology Course (6 credit hours) and the transcript will reflect the course number used by the institution from which they took the course. See above information of the less desirable alternative, two additional upper level courses in Geology.

**Core 33 credit hours**

Take all of the following:

- GEOL 3303/3103 (4) Mineralogy
- GEOL 3304/3104 (4) Igneous and Metamorphic Rocks
- GEOL 3305/3105 (4) Structural Geology
- GEOL 3307/3107 (4) Invertebrate Paleontology
- GEOL 3308/3108 (4) Sedimentary Rocks
- GEOL 3309 (3) Sequence Stratigraphy
- GEOL 3329 (3) GIS and GPS Applications
- GEOL 4100 (1) Basic Field Methods
- GEOL XXXX (6) Summer Field Geology Course

**Required Additional Geology Electives: 5 hours**

GEOL 4101 (1) Rock Cuttings Description

GEOL 4102 (1) Core Description

GEOL 4317 (3) Geology of the Permian Basin

**MINOR**

Minors must be chosen from: Chemistry, Computer Science, Environmental Science, or Mathematics.

**Degree Requirements: Environmental Geology Plan**

The Environmental Geology Plan in the Department of Physical Sciences is designed for students who intend to pursue employment in Environmental Geology with private environmental or hydrology firms or in local state or federal agencies that regulate or are engaged in environmental science. Environmental firms typically consider a B.S. degree to be the terminal degree required for employment; thus jobs are available without post-baccalaureate degrees.

**Core 27 credit hours**

Take all of the following:

GEOL 3303/3103 (4) Mineralogy

GEOL 3304/3104 (4) Igneous and Metamorphic Rocks

GEOL 3307/3107 (4) Invertebrate Paleontology

GEOL 3308/3108 (4) Sedimentary Rocks

GEOL 3316 (3) Introduction to Groundwater

GEOL 3317 (3) Environmental Geology

GEOL 3329 (3) GIS and GPS Applications

GEOL 4100 (1) Basic Field Methods

GEOL 4101 (1) Rock Cuttings Description

**Additional Science Requirement: 8 credit hours**

ENSC 3301/3103 (4) and 3302/3102 (4)

**Environmental Track 12 hours**

Take all of the following:

GEOL 4316 (3) Earth Resources and the Environment

ENSC 3310 (3) Water Quality

ENSC 3315 (3) Air Quality

ENSC 3320 (3) Environmental Law

**MINOR**

No Minor is required in the Environmental Geology Plan.

## **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)**

Symmetry. Morphological and optical crystallography. Crystal chemistry. Origin and distribution, classification, identification, and description of minerals, especially the rock-forming minerals, in hand specimen and under the polarizing microscope. Prerequisites: GEOL 1301/1101, CHEM 1332/1134, PHYS 1302/1102 or PHYS 2326/2126. Corequisite: GEOL 3103. F

### **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 paleoecology 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 and 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. Prerequisite: 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. Prerequisite: GEOL 3308/3108 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

## 2011-2013 DEGREE PLAN: B.S. IN GEOLOGY

### NOTES ON GRADUATING:

1. Read the U.T. Permian Basin Catalog and be familiar with the University requirements for the 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. At least **48** 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 B.S. degree.

### Required of All Options General Education Requirements (49 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) PLSC 2305, 2306
- Communication, 3 semester credit hours
- Visual and Performing Arts, 3 semester credit hours
- Social Science, 3 semester credit hours
- Mathematics Requirement: MATH 2413 (4) and 2414 (4)
- Geology Requirement: GEOL 1301/1101 (4) and 1302/1102 (4)
- Computer Use: COSC 1335 (3)

### Additional Science Requirements (16 hours)

- CHEM 1311/1111 (4) and 1312/1112 (4)
- PHYS 1301/1101 (4) and 1302/1102 (4) or 2325/2125 (4) and 2326/2126 (4)

### General Geology Pre-Professional Plan

#### Core 33 Credit Hours

Take all of the following:

- GEOL 3303/3103 (4) Mineralogy
- GEOL 3304/3104 (4) Igneous and Metamorphic Rocks
- GEOL 3305/3105 (4) Structural Geology
- GEOL 3307/3107 (4) Invertebrate Paleontology
- GEOL 3308/3108 (4) Sedimentary Rocks
- GEOL 3309 (3) Sequence Stratigraphy
- GEOL 3329 (3) GIS and GPS Applications
- GEOL 4100 (1) Basic Field Methods
- Summer Field Geology Course (6)

Students who for a good reason are unable to take a Summer Field Geology Course must take two additional upper level courses in Geology.

### ELECTIVES: (As needed to complete 120 hours)

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.	_____		

### Petroleum Geology Plan Core 33 Credit Hours

Take all of the following:

- GEOL 3303/3103 (4) Mineralogy
- GEOL 3304/3104 (4) Igneous and Metamorphic Rocks
- GEOL 3305/3105 (4) Structural Geology
- GEOL 3307/3107 (4) Invertebrate Paleontology
- GEOL 3308/3108 (4) Sedimentary Rocks
- GEOL 3309 (3) Sequence Stratigraphy
- GEOL 3329 (3) GIS and GPS Applications'
- GEOL 4100 (1) Basic Field Methods
- Summer Field Geology Course (6)

Students that for a good reason are unable to take a Summer Field Geology Course must take two additional upper level courses in Geology.

### Required Additional Geology Electives: 5 hours

- GEOL 4101 (1) Rock Cutting Description
- GEOL 4102 (1) Core Description
- GEOL 4317 (3) Geology of the Permian Basin

MINOR Minors must be chosen from: Chemistry, Computer Science, Environmental Science, or Mathematics.

### Environmental Geology Plan Core 27 Credit Hours

Take all of the following:

- GEOL 3303/3103 (4) Mineralogy
- GEOL 3304/3104 (4) Igneous and Metamorphic Rocks
- GEOL 3307/3107 (4) Invertebrate Paleontology
- GEOL 3308/3108 (4) Sedimentary Rocks
- GEOL 3316 (3) Introduction to Groundwater
- GEOL 3317 (3) Environmental Geology
- GEOL 3329 (3) GIS and GPS Applications
- GEOL 4100 (1) Basic Field Methods
- GEOL 4101 (1) Rock Cuttings Descriptions

### Additional Science Requirements: 8 Credit Hours

- ENSC 3301/3101 (4) and 3302/3102 (4)

### Environmental Track: 12 Credit Hours

Take all of the following:

- GEOL 4316 (3) Earth Resources and the Environment
- ENSC 3310 (3) Water Quality
- ENSC 3315 (3) Air Quality
- ENSC 3320 (3) Environmental Law

### MINOR

No Minor is required in the Environmental Geology Plan.

# HISTORY



**Ana Luisa Martinez-Catsam**, Associate Professor of History.  
BA, Texas A&M University; MA, St. Mary's University; PhD (2003), Texas Tech University.

Administered by the Department of History 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 General Education Requirements.

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**

**36 credits**

In addition to HIST 1301 and HIST 1302, students must complete at least one 2000-level non-US courses, and at least one upper level (3000 or 4000 level) in each of four groups: American History to 1900; 20<sup>th</sup> Century American History; European History; and World History. It is desirable that these courses be completed during the junior and senior years.

Further, students must complete either HIST 4399 or a 6000-level course, which must be passed with a "B-" grade or better. This course may count toward fulfilling a field group.

## **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 & Reconstruction
HIST 3355	Slavery in America
HIST 3356	The American South
HIST 4349	Studies in pre-1900 U.S. History
HIST 4375	Women in Early America

### **2. United 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 3356	The American South
HIST 4354	Mexican-American History
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 4370	American Petroleum Industry
HIST 4371	United States Sports History
HIST 4376	Women in Modern America
HIST 4377	African-American History
HIST 4379	Studies in post-1900 US History

### **3. Europe**

HIST 3322	Medieval Europe
HIST 3323	Reformation
HIST 3324	Renaissance
HIST 3326	Modern Europe
HIST 3331	Tudor-Stuart England
HIST 3332	Great Britain Since 1714
HIST 3335	Modern Germany



HIST 4336 Nazi Germany  
HIST 4339 Studies in European History

**4. World**

HIST 3310 Colonial Mexico  
HIST 3311 Mexico  
HIST 3317 Brazil  
HIST 3381 Modern China  
HIST 4304 Global Sports History  
HIST 4305 Christianity and Globalization  
HIST 4307 South Africa  
HIST 4312 Mexican Revolution  
HIST 4313 Mexican Drug Trade  
HIST 4315 Latin American Independence  
HIST 4316 Military in South America  
HIST 4318 Religion in Latin America  
HIST 4319 Studies in Latin American History  
HIST 4389 Studies in World 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

HIST 1301	U.S. History to 1877	3
HIST 1302	U.S. History since 1877	3
HIST 23xx	Any 2000-level	3

### Upper Level

History	Any upper level	3
History	Any upper level	3
History	Any upper level	3
<b>Total</b>		<b>18</b>

### TExES Requirements

"To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-6 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 TExET 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.

**Social Studies 4-8:** ECON 2301; GEOG 1301; GEOG 1302 or 1303; HIST 1301, 1302, and 3350; HIST (two upper level US history courses and one non-US course); PLSC 2305, 2306, and 4335 or 4336.

**Social Studies 8-12:** ECON 2301, 2302; GEOG 1301; GEOG 1302 or 1303; HIST 1301, 1302; two 2000-level non-US history courses; two upper-level non-US history courses; two 20<sup>th</sup>-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 2000 level and above, including ENGL 3300; ENGL (American literature); ENGL (British literature); ENGL (fiction); ENGL (poetry); ENGL (drama); ENGL (language/rhetoric); ECON 2301; GEOG 1301; GEOG 1302 or 1303; HIST 1301, 1302, and 3350; HIST (two upper level US history courses and one non-US course); 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)<sup>†</sup> (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)<sup>†</sup> (HIST 1302)**

A survey of major social, economic, and political developments in the United States from 1877 to the present.

**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 2312 Europe Since 1500 (3)**

Introduction to European history, from the Renaissance and Reformation to the present. F

**HIST 2321 World Civilizations to 1500 (3)**

A survey of the world's major civilizations and of their mutual influences through 1500.

**HIST 2322 World Civilizations since 1500 (3)**

A survey of the world's major civilizations and of their cultural, political, and economic interactions from roughly 1500 to modern globalization.

**HIST 3310 Colonial Mexico (3)**

Colonial Mexico from Columbus to independence movements. Emphasis on political, religious, and cultural developments.

**HIST 3311 Mexico (3)**

Survey of Mexican history from the late 18th century to the present. F

**HIST 3317 Brazil (3)**

This course surveys the history of Brazil from colonization to the present, with a particular focus on nation-building, race, and religious movements.

**HIST 3322 Medieval Europe (3)**

A survey of European history from 500 to 1500. Major focus on social, cultural, political and religious continuity and change in the making of Europe.

**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 Modern Europe (3)**

Europe from the French Revolution to the present. Emphasis on social and political trends. F

**HIST 3331 Tudor-Stuart England (3)**

Political, religious, economic, and social development of England between 1485 and 1714. S

**HIST 3332 Great Britain Since 1714 (3)**

Political, economic, and social development of Great Britain and its empire from 1714 to the present. F

**HIST 3335 Modern Germany (3)**

Germany from the French Revolution to the 1990 reunification, with emphasis on political, economic, and social aspects.

**\*HIST 3341 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

**\*HIST 3342 Revolutionary America, 1763-1789 (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

**\*HIST 3343 Early National Period, 1789-1828 (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

**\*HIST 3344 Jacksonian America, 1828-1850 (3)**

The emergence of American participatory democracy, and related economic and social trends leading to tensions and changes in America institutions. S

**\*HIST 3345 Civil War and Reconstruction, 1850-1877 (3)**

Causes of conflict, the course of war, and the consequences for both North and South in the United States. S

**\*HIST 3346 Coming of Age, 1878-1929 (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

**\*HIST 3347 Depression and War, 1929-1945 (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

**\*HIST 3348 Post-War America 1945-present (3)** Political, economic, social, and cultural trends from the beginning of the Cold War and the "Baby Boom" to the present. S

**\*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

**\*HIST 3356 The American South (3)**

Social, economic, political, and intellectual trends in the historic and modern South. F

**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 4304 Global Sports History (3)**

This course will explore global sports history with an emphasis on sports, sporting culture, and the intersection of sports, politics, and social issues since the 19<sup>th</sup> century.

**HIST 4305 Christianity and Globalization (3)**

An in-depth look at the history of Christianity since 1500, with particular attention on Christianity's changing balance of power to the Southern Hemisphere.

**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

**HIST 4312 The Mexican Revolution (3)**

Studies the causes, process, and consequences of the 20<sup>th</sup> Century's first great social revolution.

**HIST 4313 Mexican Drug Trade (3)**

Through readings, music, and film, this course examines the transnational drug trade in Mexico and its political, cultural, and social ramifications for North, Central, and South America.

**HIST 4315 Latin American Independence (3)**

A comparative assessment of the causes and process of the Latin American independence period. F

**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

**HIST 4318 Religion in Latin America (3)**

This course will explore Latin America's major religious traditions. Special attention will be given to Catholicism's interaction with indigenous and African religions and Protestant evangelization.

**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

**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 4354 Mexican-American History (3)**

Examines the history of individuals of Mexican heritage in the Southwest from Spanish influence to the present. The course will focus on themes such as identity, class distinction, gender, education, and race relations. S

**\*HIST 4356 U. S. Southern Leaders (3)**

Ideas and issues arising from the study of selected American southern leaders.

**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 \*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

**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

**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

**HIST 4370 American Petroleum Industry (3)**

History of the American petroleum industry from its origins to the present.

**HIST 4371 United States Sports History (3)**

This course will explore the history of sports in the United States with an emphasis on the intersections of sports, politics, and social issues since the 19<sup>th</sup> century.

**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 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.

**HIST 4399 Senior Seminar (3)**

Topic and title will vary. Enrollment is limited to majors or those having instructor's consent. May be repeated. Course will fulfill requirement for a geographical field, depending on the content. A 6000-level History course may be substituted with the consent of the instructor.

\* Course fulfills the State of Texas requirements for History.

† Course fulfills general education requirements.

## 2011-2013 DEGREE PLAN: BA IN HISTORY

### GENERAL EDUCATION REQUIREMENTS (44 sch)

- \_\_\_ English Composition (6 sch)
- \_\_\_ U.S. History (6 sch)
- \_\_\_ Literature (3 sch)
- \_\_\_ Mathematics (6 sch)
- \_\_\_ Lab Science (8 sch)
- \_\_\_ Political Science (6 sch)
- \_\_\_ Visual or Performing Art (3 sch)
- \_\_\_ Communication (3 sch)
- \_\_\_ Social Science (3 sch)
- Computer Science \_\_\_\_\_

### DEGREE REQUIREMENTS:

1. It is the student's responsibility to read the catalog and be familiar with and fulfill all the requirements for the BA degree.
2. Complete at least 120 sch for the BA degree. At least 30 of these must be completed at U. T. Permian Basin and at least 24 of the last 30 must be taken at U. T. Permian Basin.
3. At least 54 sch must be at the upper level.
4. Complete at least 18 sch in a minor. Refer to the catalog for specific requirements for each minor.
5. Obtain at least a C grade in ALL MAJOR courses. Maintain a GPA of 2.0 or C in all courses applicable toward the BA degree. Students seeking teacher certification must maintain a GPA of at least 2.75 in all History courses.

### HISTORY MAJOR: 36 semester credit hours:

The History major consists of 36 sch. A minimum of 21 sch must be upper level. The 36 sch should include HIST 1301 & 1302, at least one 2000-level non-US course, and at least one course from each of the four groups. The 36 sch must also include either 4399 or a 6000-level course, which must be passed with a "B-" grade or better. This course may count toward fulfilling a field group.

### LOWER LEVEL HISTORY COURSES:

- \_\_\_ HIST 1301 US to 1877
- \_\_\_ HIST 1302 US since 1877
- \_\_\_ HIST 2306 Modern Africa
- \_\_\_ HIST 2312 Europe since 1500
- \_\_\_ HIST 2321 World Civilization I
- \_\_\_ HIST 2322 World Civilization II
- \_\_\_ HIST \_\_\_\_\_

### 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 3356 The American South
- \_\_\_ HIST 4349 Studies in pre-1900 U.S. History
- \_\_\_ HIST 4375 Women in Early America
- \_\_\_ HIST \_\_\_\_\_

### GROUP 2: 20<sup>th</sup> CENTURY AMERICAN HISTORY

- \_\_\_ HIST 3346 US 1878-1928 Coming of Age
- \_\_\_ HIST 3347 US 1929-1945 Depression and War
- \_\_\_ HIST 3348 US 1945-present
- \_\_\_ HIST 3350 Modern Texas
- \_\_\_ HIST 3356 The American South
- \_\_\_ HIST 4354 Mexican-American History
- \_\_\_ 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 4370 American Petroleum Industry
- \_\_\_ HIST 4371 United States Sports History
- \_\_\_ HIST 4376 Women in Modern America
- \_\_\_ HIST 4377 African-American History
- \_\_\_ HIST 4379 Studies in post-1900 History
- \_\_\_ HIST \_\_\_\_\_

### GROUP 3: EUROPE

- \_\_\_ HIST 3322 Medieval Europe
- \_\_\_ HIST 3323 Reformation
- \_\_\_ HIST 3324 Renaissance
- \_\_\_ HIST 3326 Modern Europe
- \_\_\_ HIST 3331 Tudor-Stuart England
- \_\_\_ HIST 3332 Great Britain Since 1714
- \_\_\_ HIST 3335 Modern Germany
- \_\_\_ HIST 4336 Third Reich and Holocaust
- \_\_\_ HIST 4339 Studies in European History
- \_\_\_ HIST \_\_\_\_\_

### GROUP 4: WORLD

- \_\_\_ HIST 3310 Colonial Mexico
- \_\_\_ HIST 3311 Mexico
- \_\_\_ HIST 3317 Brazil
- \_\_\_ HIST 3381 Modern China
- \_\_\_ HIST 4304 Global Sports History
- \_\_\_ HIST 4305 Christianity and Globalization
- \_\_\_ HIST 4307 South Africa
- \_\_\_ HIST 4312 Mexican Revolution
- \_\_\_ HIST 4313 Mexican Drug Trade
- \_\_\_ HIST 4315 Latin American Independence
- \_\_\_ HIST 4316 Military in South America
- \_\_\_ HIST 4318 Religion in Latin America
- \_\_\_ HIST 4319 Studies in Latin American History
- \_\_\_ HIST 4389 Studies in World History
- \_\_\_ HIST \_\_\_\_\_

### ELECTIVES:

- \_\_\_ HIST 4374 Historic Preservation
- \_\_\_ HIST 4391 Contract Study
- \_\_\_ HIST \_\_\_\_\_

### SEMINAR COURSE:

- \_\_\_ HIST 4399 Senior Seminar (or 6000-level course)

### MINOR:

In general, a minor consists of 18 sch, of which 12 sch must be upper level, but refer to the catalog for specific requirements for minors.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_





# HUMANITIES

The Humanities degree is designed for self-motivated students who desire a broad arts and sciences degree with an interdisciplinary perspective. Instead of pursuing a traditional major, the Humanities student creates, with the consent of a faculty advisor, an individualized plan of study with an interdisciplinary theme, period, set of problems, specialization, or perspective unavailable through the combining of a traditional major and minor.

Humanities students must select one of three **tracks**: General Studies emphasis, Visual and Performing Arts emphasis, or Music emphasis. The Bachelor's Accelerated Completion program also offers an online Humanities major using the General Studies track. Each track has its own degree requirements, beyond those required of all Humanities students. No minor is required for the Humanities degree. The total credit hours required for a B.A. in Humanities is 120.

**Teacher Certification:** Students seeking teacher certification must consult with their teacher certification advisor for the appropriate education and humanities courses to take to complete their certification requirements.

## Degree Requirements for All Humanities Students

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

### General Education (44 hours)

Complete the requirements shown in the General Education requirements section of this catalog. No courses used to complete the General Education requirements may also be used to complete the requirements for the tracks within the Humanities major.

### Computer Use:

All majors must demonstrate a basic use of the computer as an academic instrument, either by taking a proficiency test or a computer-based course.

## A. Degree Requirements for the *General Studies* Track (57 hours)

### 1. Core (30 hours)

#### History (6 hours)

Two 2000-level courses, including either:

History 2321 (World Civilization I) and/or History 2322 (World Civilization II). Other 2000-level courses may be substituted, provided that such courses cover non-US history.

#### English (6 hours)

Two courses chosen from the following. These courses cannot have been used to fulfill the General Education requirement.

English 2322 (British Lit to 1800)

English 2323 (British Lit from 1800)

English 2327 (US Lit to 1865)

English 2328 (US LIT from 1865)

English 3332 (Literature and Art)

English 3333 (Literature and Mythology)

#### Communication or Foreign Language (6 hours)

Two courses to be taken in either Communication or in a foreign language. No courses used to complete the General Education requirements may also be used to complete the requirements for the tracks within the major.

**Fine Arts (12 hours)**

Four lower-division courses to be taken in Art, Drama, Music, or Humanities.

**2. Interdisciplinary Area of Concentration (24 hours, at least 18 upper-division)**

These courses to be dispersed among *not less than two but not more than four fields* among History, English, Spanish, Communication, Drama, Art, or Music. Students must enroll in at least two courses in each chosen field. Courses counted toward the 30 hours of the General Studies Core may not count toward the 24 hours of the interdisciplinary area of concentration.

**3. Capstone Senior Project (3 hours):**

A three-unit senior thesis to be fulfilled with a "senior project" or contract-study course with a faculty member in a Humanities-related field. Such courses would include Drama 4379, Art 4392, 4393, or 4394, History 4391 or 4399, Humanities 4301, or a contract-study course in English.

**B. Degree Requirements for the *Visual and Performing Arts Track (57 hours)***

**1. Lower Division (27 hours)**

**Art (12 hours)**

1301 (Art Appreciation)  
1311 (2-D Design) OR 1312/2331(3-D Design)  
1316 (Intro to Drawing)  
2340 (Art History I) OR 2341 (Art History II)

**Drama (6 hours)**

2301 (Theater Appreciation)  
2302 (Acting I)

**Music (9 hours)**

1306 (Music Appreciation)  
Music Ensemble (6 hours) from the following repeatable courses:  
MUEN 1121 (Choral Ensemble)  
MUEN 1122 (Instrumental Ensemble)  
MUEN 1123 (Chamber Ensemble)

**2. Upper Division (30 hours)**

**Art (9 hours)**

2-D Art (3 hours from the following;)  
Arts 3311 (Drawing for Non-Art Majors)  
Arts 3320 (Painting: Oil)  
Arts 3321 (Painting: Watercolor)  
Arts 3322 (Painting: Aqua Media)  
Arts 3350 (Relief Printmaking)  
Arts 3351 (Silkscreen)  
Arts 4315 (Illustration)

Arts 4320 (Advanced Painting I)  
Arts 4321 (Advanced Painting II)  
Arts 4350 (Intaglio)  
Arts 4351 (Lithography)  
Arts 4352 (Advanced Printmaking I)  
Arts 4353 (Advanced Printmaking II)  
Arts 4354 (Computer Printmaking)

**3-D Art (3 hours from the following:)**

Arts 3331 (Sculpture)  
Arts 3340 (Ceramics for Non-Art Majors)  
Arts 3341 (Ceramic Form)  
Arts 3360 (Papermaking)  
Arts 3385 (3D Digital Modeling)  
Arts 4330 (Sculpture: The Human Form)  
Arts 4331 (Sculpture: Casting)  
Arts 4332 (Special Problems: Sculpture)  
Arts 4333 (Advanced Sculpture)

**Art History (3 hours from the following:)**

Arts 3301 (Women Artists I)  
Arts 3302 (Women Artists II)  
Arts 3303 (American Art History I)  
Arts 3304 (American Art History II)  
Arts 3305 (Modern Hispanic Art and Its Foundations)  
Arts 3601 (Art History Studies Abroad)  
Arts 4301 (Art since 1945)

**Drama (12 hours)**

Drama 3302 (Acting II)  
Drama 3310 (Drama: Comedy)  
Drama 3311 (Tragedy and Melodrama)  
Drama 3360 (Drama in Production)

**Music (9 hours)**

3308 (Music History I)  
3309 (Music History II)  
Three further upper-division hours of the student's choice

**Capstone Senior Project: (3 hours)**

Drama 4379, Art 4392, Art 4393, Art 4394, or Humanities 4301.  
To be arranged with a faculty member in a Humanities-related field.

**C. Degree Requirements for the *Music* Track of the Humanities Major (60-61 hours)**

**1. Lower Division (15 hours):**

4 credits of applied instruction (Applied Music I-IV)  
7 credits of Music Ensemble  
4 credits of Class Piano  
7 semesters of "Pass" in MUSI 1000 – Recital Attendance

**2. Upper Division (29-30 hours):**

4 credits of applied instruction (Applied Music V-VIII)

10 credits of conducting, literature, and methods

6 credits of music history

3 credits of music foundations

9-10 hours within an emphasis (Choral, Wind and Percussion, String)

# HUMANITIES DEGREE PLAN: GENERAL STUDIES TRACK

**General Education (44 hours).**

See catalog for specific choices. C average required.

- \_\_\_ \_\_\_ 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 or math beyond college algebra)
- \_\_\_ Communication
- \_\_\_ Social Science
- \_\_\_ Visual or Performing Arts

**Core (30 hours).**

**History (6 hours)**

- Two 2000-level courses, including either:
- \_\_\_ History 2321 (World Civilization I) and/or
  - \_\_\_ History 2322 (World Civilization II) and/or
  - \_\_\_ History 23XX (non-US) \_\_\_\_\_.

**English (6 hours)**

- Two courses chosen from the following:
- \_\_\_ English 2322 (British Lit to 1800)
  - \_\_\_ English 2323 (British Lit from 1800)
  - \_\_\_ English 2327 (US Literature to 1865)
  - \_\_\_ English 2328 (US Literature from 1865)
  - \_\_\_ English 3332 (Literature and Art)
  - \_\_\_ English 3333 (Literature and Mythology).

**Communication or Foreign Language (6 hours)**

Two courses to be taken in either Communication or in a foreign language:

\_\_\_\_\_  
 \_\_\_\_\_

**Fine Arts (12 hours)**

Four lower-division courses to be taken in Art, Drama, Music, or Humanities 4301:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Interdisciplinary Area of Concentration (24 hours, at least 18 upper-division)**

These courses to be dispersed among *not less than two but not more than four fields* among History, English, Spanish, Communication, Drama, Art, or Music. Students must enroll in at least two courses in each chosen field. Courses counted toward the 30 hours of the General Studies Core may not count

toward the 24 hours of the interdisciplinary area of concentration.

Field 1: \_\_\_\_\_

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Field 2: \_\_\_\_\_

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Field 3: \_\_\_\_\_

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Field 4: \_\_\_\_\_

\_\_\_\_\_  
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 \_\_\_\_\_  
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**3. Capstone Senior Project (3 hours):**

A three-unit senior thesis to be fulfilled with a "senior project" or contract-study with a faculty member in a Humanities-related field. Such courses would include Drama 4379, Art 4392, 4393, or 4394, History 4391 or 4399, Humanities 4301, or a contract-study course in English.

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# HUMANITIES DEGREE PLAN: GENERAL STUDIES TRACK

## Bachelor's Accelerated Completion (BAC)

With Suggested Courses Based on Current Availability of BAC Online Courses

**General Education (44 hours).**

See catalog for specific choices. C average required.

- \_\_\_ 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 or math beyond college algebra)
  - \_\_\_ Communication
  - \_\_\_ Social Science
  - \_\_\_ Visual or Performing Arts

**Humanities Core (30sch).**

No courses used for the General Education core can be used here. Up to six units of study of a foreign language may substitute for Communication courses.

- \_\_\_ HIST 2322 World Civilizations
- \_\_\_ HUMN 3301 Background/Foundations (UTEP)
- \_\_\_ ENGL 2322 English Literature to 1800 or ENGL 2323 English Literature since 1800
- \_\_\_ ENGL 2327 American Literature to 1865 or 2328 American Literature since 1865
- \_\_\_ COMM 1318 Interpersonal Communication
- \_\_\_ COMM 2302 Rhetoric of Western Thought
- \_\_\_ ARTS 1303 Art History I or its equivalent
- \_\_\_ ARTS 1304 Art History II
- \_\_\_ MUSI 1306 Music Appreciation
- \_\_\_ MUSI 3318 Jazz History

HUMANITIES (BAC) CONCENTRATION: 24sch required to be distributed across at least two of the following areas with at least two courses in each chosen area. No General Education Core or Humanities core courses can be used. *Courses listed are suggested for each discipline, based on the availability eight-week accelerated online courses from UTPB, UT El Paso, and UT Arlington as this catalog went to press. Other appropriate courses not listed here, either face-to-face or online in semester-length format, may be used to fulfill requirements for each area. Likewise, other Humanities-related fields may be selected in lieu of the fields shown here.*

**I: COMMUNICATION** \*suggested courses for the BAC program

Grade	Course
___	*ENGL 4372 Semantics
___	*COMM 3311 Crisis Communication
___	*COMM 3312 Nonverbal Communication
___	*COMM 3355 Advanced Public Speaking
___	*COMM 3360 Theories of Communication
___	*COMM 4307 Organizational Comm
___	*COMM 4320 Communication and Instruction
___	_____
___	_____
___	_____
___	_____

**II: HISTORY** \*suggested courses for the BAC program

Credit	Course
___	*HIST 3326 Modern Europe
___	*HIST 3348 US 1945-Present
___	*HUMN 3302 Faith to Reason (UTEP)
___	*HUMN 3303 Chlng Mod Cult (UTEP)
___	_____
___	_____
___	_____

**III: ART** \*suggested courses for the BAC program

Credit	Course
___	*ARTS 3305 Modern Hispanic Art
___	*ARTS 4343 History of Ceramics
___	*ARTS 4389 History of Printmaking
___	_____
___	_____
___	_____

**IV: MUSIC** \*suggested courses for the BAC program

Credit	Course
___	*MUSI 3312 Hist Opera/Musical Theatre
___	*MUSI 3314 20 <sup>th</sup> Century Masterpieces
___	*MUSI 3316 History of Music Educ/Amer
___	_____
___	_____
___	_____

**V: Other Humanities Courses** (Philosophy, Religion, Foreign Language, etc.)

Credit	Course
___	_____
___	_____



# HUMANITIES DEGREE PLAN: VISUAL AND PERFORMING ARTS TRACK

## **General Education (44 hours).**

See catalog for specific choices. C average required.

- \_\_\_ \_\_\_ 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 or math beyond college algebra)
- \_\_\_ Communication
- \_\_\_ Social Science
- \_\_\_ Visual or Performing Arts

## **Visual and Performing Arts Courses (57 hours).**

### **Lower Division (27 hours)**

#### **Art (12 hours)**

- \_\_\_ 1301 (Art Appreciation)
- \_\_\_ 1311 (2-D Design) or 1312/2331(3-D Design)
- \_\_\_ 1316 (Intro to Drawing)
- \_\_\_ 2340 (Art History I) or 2341 (Art History II)

#### **Drama (6 hours)**

- \_\_\_ 2301 (Theater Appreciation)
- \_\_\_ 2302 (Acting I)

#### **Music (9 hours)**

\_\_\_ 1306 (Music Appreciation)  
Music Ensemble (6 hours) from the following repeatable courses:

- MUEN 1121 (Choral Ensemble)
- MUEN 1122 (Instrumental Ensemble)
- MUEN 1123 (Chamber Ensemble)

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### **Upper Division (30 hours)**

#### **Art (9 hours)**

2-D Art (3 hours from the following:)

- \_\_\_ Arts 3311 (Drawing for Non-Art Majors)
- \_\_\_ Arts 3320 (Painting: Oil)
- \_\_\_ Arts 3321 (Painting: Watercolor)
- \_\_\_ Arts 3322 (Painting: Aqua Media)
- \_\_\_ Arts 3350 (Relief Printmaking)
- \_\_\_ Arts 3351 (Silkscreen)
- \_\_\_ Arts 4315 (Illustration)
- \_\_\_ Arts 4320 (Advanced Painting I)
- \_\_\_ Arts 4321 (Advanced Painting II)
- \_\_\_ Arts 4350 (Intaglio)
- \_\_\_ Arts 4351 (Lithography)
- \_\_\_ Arts 4352 (Advanced Printmaking I)
- \_\_\_ Arts 4353 (Advanced Printmaking II)
- \_\_\_ Arts 4354 (Computer Printmaking)

3-D Art (3 hours from the following:)

- \_\_\_ Arts 3331 (Sculpture)
- \_\_\_ Arts 3340 (Ceramics for Non-Art Majors)
- \_\_\_ Arts 3341 (Ceramic Form)
- \_\_\_ Arts 3360 (Papermaking)
- \_\_\_ Arts 3385 (3D Digital Modeling)
- \_\_\_ Arts 4330 (Sculpture: The Human Form)
- \_\_\_ Arts 4331 (Sculpture: Casting)
- \_\_\_ Arts 4332 (Special Problems: Sculpture)
- \_\_\_ Arts 4333 (Advanced Sculpture)

Art History (3 hours from the following:)

- \_\_\_ Arts 3301 (Women Artists I)
- \_\_\_ Arts 3302 (Women Artists II)
- \_\_\_ Arts 3303 (American Art History I)
- \_\_\_ Arts 3304 (American Art History II)
- \_\_\_ Arts 3305 (Modern Hispanic Art & Foundations) \_\_\_ Arts 3601 (Art History Studies Abroad)
- \_\_\_ Arts 4301 (Art since 1945)

#### **Drama (12 hours)**

- \_\_\_ Drama 3302 (Acting II)
- \_\_\_ Drama 3310 (Drama: Comedy)
- \_\_\_ Drama 3311 (Tragedy and Melodrama)
- \_\_\_ Drama 3360 (Drama in Production)

#### **Music (9 hours)**

- \_\_\_ 3308 (Music History I)
- \_\_\_ 3309 (Music History II)
- Three further upper-division hours (student's choice)

#### **Capstone Senior Project: (3 hours)**

Drama 4379, Art 4392, Art 4393 or Art 4394, to be arranged with faculty member in Humanities field.

## HUMANITIES DEGREE PLAN: MUSIC TRACK

**General Education (44 hours).**

See catalog for specific choices. C average required.

- \_\_\_ \_\_\_ 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 or math beyond  
college algebra)
- \_\_\_ Communication
- \_\_\_ Social Science
- \_\_\_ Visual or Performing Arts

**Music Courses (60-61 hours).**

**Lower Division (15 hours)**

4 credits of applied instruction (Applied Music I-IV)

- \_\_\_ MUAP 1187 Applied Music I-IV
- \_\_\_ MUAP 1188 Applied Music II
- \_\_\_ MUAP 2187 Applied Music III
- \_\_\_ MUAP 2188 Applied Music IV

7 credits of Music Ensemble

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4 credits of Class Piano

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7 semesters of "Pass" in MUSI 1000 – Recital Attendance

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**Upper Division (29-30 hours)**

4 credits of applied instruction (Applied Music V-VIII)

- \_\_\_ MUAP 3187 Applied Music V
- \_\_\_ MUAP 3188 Applied Music VI
- \_\_\_ MUAP 4187 Applied Music VII
- \_\_\_ MUAP 4188 Applied Music VIII

10 credits of conducting, literature, and methods

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6 credits of music history

- \_\_\_ MUSI 3308 Music History I
- \_\_\_ MUSI 3309 Music History II

3 credits of music foundations

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9-10 hours within an emphasis (Choral, Wind and Percussion,  
String)

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## INFORMATION SYSTEMS



**Dr. Haesun Lee**  
**Associate Professor**

Dr. Haesun K. Lee is an Associate Professor of Computer Science. She received her Ph.D. degree from Illinois Institute of Technology, Chicago, Illinois (1997). Her primary research interest is on Real Time Systems with particular emphasis on the scheduling real-time tasks with reduced context switches. Dr. Lee has published numerous research papers in many refereed conference proceedings of the international computer science conferences sponsored by the well known professional societies such as IEEE, ACM, and ISCA. Her work also appears in the Journal of Computational Methods in Science and Engineering. Her recognitions include the 2006 Chancellor's Council Outstanding Teacher Award.

Administered by the Department of Mathematical and Computing Sciences 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 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 120.

### **General Education**

Students must complete the requirements shown in the General Education Requirements section 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.

<b><u>General education core</u></b>	<b>47 credits</b>
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ENGL 1301, 1302	6
HIST 1301, 1302	6
PLSC 2305, 2306	6
ENGL 23xx, 23xx or 33xx or SPAN 3xxx, 4xxx	6
Laboratory Science 1, 2	8
ARTS	3
COMMUNICATION	3
ECON 2301	3
MATH 1324 and 1325 (MATH 2413 and 2414 are acceptable substitutes)	6

<b><u>Business Core</u></b>	<b>18 credits</b>
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ACCT 2301, 2302	6
ECON 2302	3
MNGT 2301, 3302	6
MNGT 3340	3

## **Required courses:**

These courses are the heart of the information systems program. They include the major program, the minor program, and the capstone experience.

<b><u>The major program</u></b>	<b>34 – 36 credits</b>
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All information systems majors take a common set of foundational computer and information systems courses:

COSC 1335	3
COSC 1430, 2430	8
COSC 2420	4
COSC 3310	3

COSC 3315	3
COSC 4415	4
ACCT 4311	3

Two elective courses from among:

COSC 3360	3
COSC 4455	4
COSC 4460	4
COSC 4370	3

**The minor program 12 credits**

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:

MNGT 3310	3
MRKT 3300	3
FINA 3320	3
ACCT 3310	3

**Capstone courses 6 credits**

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	3
Total upper division credits	43 - 45

**Courses freely elected**

Courses sufficient to satisfy the requirement of at least 45 upper level credits and a total of 120 credits must be elected.

**Total credits 120**

No more than 45 hours in any combination of computer science and information systems courses may be applied toward the 120 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 Requirements**

Candidates for TExES 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	4
or another course in a high level language approved by the advisor	
COSC 3310 Digital Computer Organization	3
COSC 3315 Information Systems Design	3
COSC 4415 Database Systems	4

ACCT 4311 Information Systems Theory and Analysis	3
Total credits	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. 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. F,S

#### **COSC 3310 Digital Computer Organization (3)**

Design of arithmetic, control and memory units, binary data representation, error-detecting and error-correcting codes. Prerequisite: COSC 2430. F

#### **COSC 3315 Information Systems Design (3)**

Computer systems and relationships between hardware and software components. Emphasis on business system design and analysis. Prerequisite: COSC 2430. S

#### **COSC 3360 Computer Ethics (3)**

An introduction to the responsibilities generally and the ethical behavior specifically expected of the computer and information systems professional. Includes the philosophical bases of ethical decision-making and the application of these principles to issues that arise in computing and information systems. Discussion of ethical standards as established by governmental bodies and professional organizations. Prerequisite: COSC 3315.

#### **COSC 4370 Data Communications (3)**

Theory and techniques related to signal transmission, transmission media, signal encoding, interfacing, data link control and protocols. Prerequisites: COSC 3310 and permission of the instructor.

**COSC 4415 Database Systems (4)**

Introduction to database design and implementation using the ER model. Relational model concepts, constraints and relational algebra. Normalization, optimization and concurrency. 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 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

## 2011-2013 DEGREE PLAN: BS IN INFORMATION SYSTEMS

	Date	Credits	Grade		Date	Credits	Grade
<b>Gen Ed Core</b>				<b>Major</b>			
ENGL 1301		3		COSC 1335		3	
ENGL 1302		3		COSC 1430		4	
HIST 1301		3		COSC 2430		4	
HIST 1302		3		COSC 2420		4	
PLSC 2305		3		COSC 3310		3	
PLSC 2306		3		COSC 3315		3	
				COSC 4415		4	
ENGL 23xx		3		ACCT 4311		3	
ENGL 23xx or 33xx		3					
COMM 1315		3		Two of: COSC 3360, 4455, 4460, 4370		3 or 4	
ECON 2301		3					
MATH 1324 or 2413		3 or 4				3 or 4	
MATH 1325 or 2414		3 or 4					
ARTS		3					
SCI w/ LAB, I		4		<b>Minor</b>			
SCI w/ LAB, II		4		MNGT 3310		3	
				MRKT 3300		3	
<b>Business Core</b>				FINA 3320		3	
ACCT 2301		3		ACCT 3310		3	
ACCT 2302		3					
ECON 2302		3		<b>Electives</b>			
MNGT 2301		3					
MNGT 3302		3					
MNGT 3340		3					
<b>Capstone Courses</b>							
NTSC 4311		3					



# KINESIOLOGY



**Chair Person For Kinesiology:** Dr. James A. Eldridge, EdD

Associate Professor of Kinesiology

Dr. Eldridge received B.A. degrees in Physical Education and Biology from Texas Lutheran College, Seguin, TX (1986), his Master of Arts from Texas State University, San Marcos, TX (1989), and his Ed.D. from the University of Houston, Houston, TX (1996).

The Kinesiology Department is housed within the College of Arts and Sciences. Two degrees are awarded within this department. One is a Bachelor of Science in Kinesiology with a specialization area in pre-professional physical education, or exercise science. The other degree is a Bachelor of Science in Athletic Training.

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, graduate study in Kinesiology, and 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. Those students who wish to pursue a career in athletic training or sports medicine should read the description of the B.S. in Athletic Training, further in this section.

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, and (3)

Exercise and Sport Studies. 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 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 are prerequisite to many courses in Kinesiology and should be taken early in the degree program. This course does not count towards the 40-hour Kinesiology major but does count in the 120 hour requirement.

Kinesiology majors must complete course requirements for one of three specialization areas: (1) pre-professional physical education, (2) exercise science and human performance, or (3) sport and exercise studies. 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 courses within the School of Education, will qualify the student to sit for the Texas Education Agency's all-level (P-12) TExES examination in physical education.

KINE 1109	Adventure Education
KINE 1115	Beg/Adv Swimming
KINE 1130	Elementary and Secondary Dance
KINE 1131	Form and Target Sports
KINE 1132	Racquet Sports
KINE 1133	Team Sports
KINE 1134	Sport Skill Progressions
KINE 1159	Weight Training

KINE 1301 Concepts in Fitness and Health  
KINE 2306 First Aid  
KINE 2385 Anatomy and Physiology for Kinesiology (*prerequisite course*)  
KINE 3310 Motor Development  
KINE 3330 Physical Activity for Disabling Conditions

KINE 3332 Instructional Styles for Diverse Learners  
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 4310 Sports Skill Analysis  
KINE 4330 Motor Learning and Control  
KINE 4320 Psychology of Sport  
or KINE 4350 Psychology of Exercise  
\*KINE 4391 Independent Study in Kinesiology  
\*KINE 4392 Practicum in Kinesiology

- \* Students wishing to complete student teaching as an undergraduate may have these two courses waived by the major faculty advisor upon successful completion of an upper level Kinesiology elective (KINE 4391 Independent Study) and student teaching (KINE 4392 Practicum).
- \*\* Students wishing to graduate and pursue a post-baccalaureate internship leading to certification may have these two courses waived by the major faculty advisor upon successful completion of all certification courses in the School of Education (KINE 4391 Independent Study), the All-Level P.E. TExES and the EC-12 PPR TExES certification assessments (KINE 4392 Practicum).

**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 1115 Beg/Adv Swimming  
KINE 1156 Aerobics  
KINE 1159 Weight Training  
KINE 1301 Concepts in Fitness and Health  
KINE 2306 First Aid

KINE 2370 Care and Prevention of Athletic Injuries  
KINE 2385 Anatomy and Physiology for Kinesiology or BIOL 3350/3151 and  
3352/3153 (*prerequisite courses*)  
KINE 3310 Motor Development  
KINE 3340 Analysis of Human Movement  
KINE 3350 Physiology of Exercise  
KINE 3151 Lab: Exercise Physiology  
KINE 4365 Concepts in Strength & Conditioning  
KINE 4300 Measurement of Performance in Sport and Exercise Sciences  
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  
Electives (Fifteen elective credit hours from any department of which six hours must be at the upper level)

**III. Sport and Exercise Studies:** Students wishing to enter other professions related to the discipline of Kinesiology, such as sport psychology, sport management, and sport media, are required to successfully complete the following courses. Six additional credit hours in Kinesiology or related disciplines are required for this specialization area. Beyond the basic Kinesiology degree requirements, students are encouraged to design, with the aid of a faculty advisor, a degree program that will satisfy their personal and professional objectives.

KINE 1115 Beg/Adv Swimming  
KINE 1156 Aerobics  
KINE 1159 Weight Training  
KINE 1301 Concepts in Fitness and Health  
KINE 2306 First Aid  
KINE 2385 Anatomy and Physiology for Kinesiology (*prerequisite course*)  
KINE 3310 Motor Development  
or KINE 4330 Motor Learning and Control  
KINE 3330 Physical Activity for Disabling Conditions  
KINE 3332 Instructional Styles for Diverse Learners  
KINE 3340 Analysis of Human Movement  
KINE 3350 Physiology of Exercise  
KINE 3151 Lab: Exercise Physiology  
KINE 4365 Concepts in Strength & Conditioning  
KINE 4300 Measurement of Performance in Sport and Exercise Sciences  
KINE 4391 Independent Study in Kinesiology  
KINE 4392 Practicum in Kinesiology  
KINE 4320 Psychology of Sport  
or KINE 4350 Psychology of Exercise  
Electives (Six upper level credit hours in any discipline; 2 3-credit hour courses)

The forms of movement requirement may be fulfilled in a number of ways. Options include taking Forms of Movement courses (KINE 1109-1134), Lifetime Sports courses (KINE 1155-1159), participating in intercollegiate or professional athletics and possessing a current official's rating. In order to assure that students are competent in a 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 22 semester credit hours in Kinesiology of which 13 must be upper level. Students who wish to minor in Kinesiology must take the following courses:

1. KINE 1301: Concepts in Health and Fitness (3 credits)
2. KINE 2306: First Aid (3 credits)
3. KINE 2385: Anatomy and Physiology for Kinesiology (3 credits)
4. KINE 3340: Analysis of Human Movement (3 credits)
5. KINE 3350: Exercise Physiology (3 credits)
6. KINE 3151: Lab: Exercise Physiology (1 credit)
7. KINE 4310: Sports Skill Analysis (3 credits)
8. KINE 4320: Sport Psychology or KINE 4350: Exercise Psychology or KINE 4340: Sociology of Sport (3 credits) OR KINE 4325 Women and Sport

Physical activity courses, including those labeled KINE 1109-1134 or KINE 1155-1159, are encouraged, but do not count toward the 22 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. This minor includes courses that have direct applicability to coaching.

A Coaching Minor may be obtained by successfully completing the following 22 semester credit hours in Kinesiology:

1. KINE 2370: Care and Prevention of Athletic Injuries (3 credits)
2. KINE 2385: Anatomy and Physiology for Kinesiology (3 credits)
3. KINE 3340: Analysis of Human Movement (3 credits)
4. KINE 3350: Exercise Physiology (3 credits)
5. KINE 3151: Lab: Exercise Physiology (1 credit)
6. KINE 3360: Coaching of Sports (3 credits)
7. KINE 4310: Sports Skill Analysis (3 credits)
8. KINE 4320: Sport Psychology (3 credits)

Physical activity courses, including those labeled KINE 1109-1134 or KINE 1155-1159, are encouraged, but do not count toward the 22 credit hour requirement.

## ATHLETIC TRAINING

**Bachelor of Science in Athletic Training:** Students desiring to pursue athletic training as a profession should begin this track early in their college career. Students will receive academic coursework combined with practical hands-on experience under the supervision of nationally certified and state licensed athletic trainers. The program is designed to meet all of the licensing requirements set forth by the Texas Department of State Health Services and the TABAT (Texas Advisory Board of Athletic Trainers), as well as BOC requirements once accredited by CAATE. This will enable students to be qualified to take the national certification exam.

KINE 1115 Beg/Adv Swimming  
KINE 1156 Aerobics  
KINE 1159 Weight Training  
KINE 1200 Introduction to Athletic Training  
KINE 1301 Concepts in Fitness and Health  
KINE 2306 First Aid  
KINE 2370 Care & Prevention of Athletic Injuries  
KINE 3340 Analysis of Human Movement (*Prereq BIOL 3350/3151, 3352/3153*)  
KINE 3350 Exercise Physiology (*Prereq BIOL 3350/3151, 3352/3153*)  
KINE 3151 Lab: Exercise Physiology (*taken with KINE 3350*)  
KINE 3371 Evaluation of the Lower Extremity  
KINE 3372 Evaluation of the Upper Extremity  
KINE 3374 General Medical Conditions in Athletes  
KINE 4175 Seminar in Athletic Training  
KINE 4355 Psychology of Injury  
KINE 4364 Exercise and Nutrition  
KINE 4365 Concepts in Strength & Conditioning  
KINE 4370 Therapeutic Modalities  
KINE 4372 Rehabilitation of Athletic Injuries  
KINE 4375 Principles of Athletic Administration  
KINE 4395 Practicum/Athletic Training (6x0.5 credit sections)

\* Additional requirements include Human Anatomy, Human Physiology, Genetics, and Evolution, plus 6 sch of upper level electives in order to complete the Athletic Training Major and the Biology minor. Additional hours are required for students who seek TExES/ExCET certification.

Demonstrated competence in 3 forms of movement is required of all Kinesiology and Athletic Training majors. Credits earned in meeting this requirement do not count toward the 40 hours required for a degree in Athletic Training. 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 the three courses (KINE 1115, 1156, 1159), participating in intercollegiate or professional athletics and possessing a current official's rating in the course content area. 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.

### **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, EDUC 4334 and student teaching in elementary and secondary Physical Education.

Physical Education (All Level): KINE 1109, 1115, 1130, 1131, 1132, 1133, 1134, 1159, 1301, 2306, 2385, 3310, 3330, 3332, 3340, 3350/3151, 4300, 4310, 4330, 4320 or 4350; EDUC 4332, EDUC 4333, EDUC 4334 and other Education courses as required by that degree plan.

### **Course Listing**

#### **KINE 1109 Adventure Ed (1)**

Learn to do and teach adventuresome risk-taking activities to develop skills in cooperative learning, decision-making, communication, and challenge-by-choice. Activities include orienteering, hiking, camping, and problem-solving.

#### **KINE 1110 Adv Swim Lifeguard (1)**

Learn advanced swim skills and certify through the American Red Cross Water Safety Instructor and Lifeguard training courses. Prerequisite: Permission of instructor. S

#### **KINE 1111 Adv Track & Field (1)**

Learn to coach, organize and officiate track and field programs and adaptations using physiology, biomechanics and psychology. Prerequisite: KINE 1127 Track & Field Skills or permission of instructor.

#### **KINE 1112 Aerobic Activities (1)**

Gain conditioning and knowledge of various ways to perform aerobically. Lecture/discussion on safety, goal setting, recording workouts, flexibility, strength work, and care and prevention of injuries.

#### **KINE 1113 Archery (1)**

Learn to shoot, score, teach, coach and organize archery competition for physical education and recreational pursuits using a Personalized System of Instruction. S '10

#### **KINE 1114 Bsktball Officiate (1)**

Apply basketball skills to the coaching, officiating, and organizing of the sport into tournament format. Applicable to both physical education and recreational contexts. Prerequisite: permission of instructor. S

**KINE 1115 Beg/Adv Swimming (1)**

Develop swimming stroke skills for personal use and learn basic swimming instructional techniques. Appropriate for swimmers from novice through advanced while using the Personalized System of instruction. F, S, Su

**KINE 1116 Disc Sports (1)**

Develop and apply Frisbee skills to sports such as Ultimate Frisbee and Frisbee Golf. Appropriate for physical education and recreational applications using the Personalized System of instruction. F,

**KINE 1117 Elementary Dance (1)**

Learn movement skills and concepts in dance and the purpose of dance in the elementary physical education curriculum. F

**KINE 1118 Golf (1)**

Learn basic golf strokes and game skills while using the Personalized System of instruction. Applicable to physical education curriculum and personal recreational use.

**KINE 1119 Gymnastics (1)**

Learn tumbling, floor gymnastics, apparatus use, and spotting of all movements. Develop skills in movement performance and spotting of performers. S

**KINE 1120 Hockey (1)**

Develop fundamental skills and strategies to play and teach the sport. Learn rules and the Tactical model of team sport skill development using the Personalized System of instruction. S

**KINE 1121 Lacrosse (1)**

Develop skills and strategies to play and teach the sport. Learn rules and sport skill development using the Tactical Games and Personalized System of instruction models. S

**KINE 1122 Racquet Sports I (1)**

Learn skills and strategies using the Personalized System of Instruction to play and teach handball, paddleball and racquetball in physical education and recreationally. F, S

**KINE 1123 Racquet Sports II (1)**

Learn skills and strategies using the Personalized System of Instruction to play and teach Badminton, Pickleball, and Tennis in physical education and recreationally. F, S

**KINE 1124 Secondary Dance (1)**

Learn movement skills and concepts in dance and the purpose of dance in the secondary physical education curriculum. F

**KINE 1125 Soccer (1)**

Develop fundamental skills and strategies to play and teach the sport. Learn rules and the Tactical model of team sport skill development. F

**KINE 1126 Team Handball (1)**

Develop fundamental skills and strategies to play and teach this Olympic sport. Learn rules and the Tactical model of team sport skill development. F

**KINE 1127 Track & Field Skills (1)**

Develop knowledge and competency in skills and techniques of Track and Field events. Apply to physical education curriculum. Prerequisite to Adv. T+F. S

**KINE 1128 Volleyball (1)**

Develop fundamental skills and strategies to play and teach the sport. Learn rules and the Tactical model of team sport skill development. F

**KINE 1130 Elementary, Secondary Dance (1)** Learn movement skills and concepts in dance and the purpose of dance in the elementary and the secondary physical education curriculum. F

**KINE 1131 Form & Target Sports (1)** Learn tumbling, floor gymnastics, apparatus use, and spotting of all movements. Develop skills in movement performance and spotting of performers. Learn basic skills, knowledge, etiquette, teaching methods and competition organization for archery, bowling, or golf.  
**KINE 1132 Racquet Sports (1)** Learn skills and strategies using the Personalized System of Instruction to play and teach handball, paddleball, racquetball, badminton, pickleball, and tennis in physical education and recreationally.

**KINE 1133 Team Sports (1)** Develop skills and strategies to play and teach team sports. Learn rules and sport skill development using the Tactical Games and Personalized System of instruction models.

**KINE 1134 Sport Skills Progressions (1)** Learn how to create task progressions for sport skill development in individual and team sports, dance, gymnastics, weight training, and swimming.  
Prerequisites: KINE 1109, 1115, 1130, 1131, 1132, 1133, 1159.

**KINE 1154 Yoga (1)**  
Opportunity to obtain skill and knowledge through participation in this lifetime activity.

**KINE 1155 Adv Soccer (1)**  
Learn to coach, organize, and officiate soccer programs and training adaptations. Prerequisite: permission of instructor. S

**KINE 1156 Aerobics (1)**  
Opportunity to obtain skill and knowledge through participation in this lifetime activity.

**KINE 1157 Handball (1)**  
Opportunity to obtain skill and knowledge through participation in this lifetime sport.

**KINE 1158 Tai Kwon Do (1)**  
Opportunity to obtain skill and knowledge through participation in this lifetime activity.

**KINE 1159 Weight Training (1)**  
Opportunity to obtain skill and knowledge through participation in this lifetime activity.

**KINE 1160 INT Baseball Men (1)**  
Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. S

**KINE 1161 INT Basketball Men (.5)**  
Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. F,S

**KINE 1162 INT Crs Cntry Men (1)**  
Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. F



**KINE 1164 INT Soccer Men (1)**

Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. F

**KINE 1165 INT Swimming Men (.5)**

Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. F,S

**KINE 1170 INT Basketball Wmn (.5)**

Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. F,S

**KINE 1171 INT Crs Cntry Wmn (1)**

Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. F

**KINE 1173 INT Soccer Women (1)**

Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. F

**KINE 1174 INT Softball Women (1)**

Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. S

**KINE 1175 INT Swimming Wmn (.5)**

Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. F,S

**KINE 1177 INT Volleyball Wmn (1)**

Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. F

**KINE 1180 INT Cheerleading (.5)**

Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. F,S

**KINE 1181 INT Dance Team (.5)**

Limited to intercollegiate athletes, involves daily practice and athletic competition. Permission of the instructor required. F,S

**KINE 1200 Introduction to Athletic Training (2)**

This course will introduce students to basic knowledge, skills and values and history of the athletic training profession, including medical terminology, taping/wrapping techniques through classroom instruction, laboratory exercises, and directed observations (200 clock hours). This class presents learning in topics pertinent to Athletic Training, and Kinesiology students.

**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 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 2195 Athletic Training Practicum Level 1A (1)**

Students will engage in supervised clinical activities with their Approved Clinical Instructor (ACI) associated with didactic learning from KINE 1301 and KINE 2306. Practicum activities may take place on and off campus. Students are required to log a minimum of 20 clock hours per week, including 1 hour of lab instruction, a maximum of 16 weekday hours, and a maximum of 8 weekend hours. Pre-requisites: KINE 1200,1301, 2306, 2370 , Co-requisite BIOL 3350 ,3151. F.

**KINE 2196 Athletic Training Practicum Level 1B (1)**

Students will engage in supervised clinical activities with their Approved Clinical Instructor (ACI) associated with didactic learning from KINE 2370, BIOL 3350 ,3151. Practicum activities may take place on and off campus. Students are required to log a minimum of 20 clock hours per week, including 1 hour of lab instruction, a maximum of 16 weekday hours, and a maximum of 8 weekend hours. Pre-requisites: KINE 1200, 1301, 2306, 2370, Co-requisite: BIOL 3352- 3153

**KINE 2306 First Aid (3)**

Offers instruction in the knowledge and skills necessary, in an emergency situation, to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until professional medical help arrives. Opportunity for American Red Cross First Aid and CPR certifications. F, S

**KINE 2370 Care and Prevention of Athletic Injuries (3)**

Introduction to the prevention, recognition, evaluation, treatment, and rehabilitation of common musculoskeletal injuries and conditions. Laboratory experiences emphasize taping and bracing methods and techniques for preventing musculoskeletal injuries/ conditions. A 200 hour clinical observation component is required for students that intend to apply for admission to the Athletic Training Education Program.

**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 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.

**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,S

**KINE 3195 Athletic Training Practicum Level 2A (1)**

Students will engage in supervised clinical activities with their Approved Clinical Instructor (ACI) associated with didactic learning from KINE 3340, KINE 3350-3151, KINE 3371, and KINE 3374. are required to log a minimum of 20 clock hours per week, including 1 hour of lab instruction, a max. of 16 weekday hours, and a maxi. of 8 weekend hours. Pre-requisites: BIOL 3352-3153, KINE 3340, Co-requisite: KINE 2195, 2196, 3350-3151, 3371, 3374. F

**KINE 3196 Athletic Training Practicum Level 2B (1)**

Students will engage in supervised clinical activities with their Approved Clinical Instructor (ACI) associated with didactic learning from KINE 4372, and KINE 3372.. Students are required to log a minimum of 20 clock hours per week, including 1 hour of lab instruction, a maximum of 16 weekday hours, and a maximum of 8 weekend hours. Pre-requisite: KINE 2195,2196, 3195, 3350-3151, 3371, 3374, 4372. Co-requisites: KINE 3372. S

**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 3332 Instructional Styles For Diverse Learners (3)**

Introduction to various instructional styles with particular emphasis on their impact upon the effective instruction of learners with diverse needs and learning styles. Design of task progressions and units for development of higher order thinking skills 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.

**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,S

**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 3371 Evaluation of the Lower Extremity (3)**

Procedures and techniques for the recognition, assessment and evaluation of athletic injuries to the lower extremity. Emphasis is placed on the synthesis of information gathered through injury history, observation, palpation, testing range of motion, neurological and orthopedic examination. F  
Prerequisites: KINE 2306, 2370; BIOL 1306, 1307, 3350, 3352.

**KINE 3372 Evaluation of the Upper Extremity (3)**

Procedures and techniques for the recognition, assessment and evaluation of athletic injuries to the upper extremity. Emphasis is placed on the synthesis of information gathered through injury history, observation, palpation, testing range of motion, neurological and orthopedic examination. S  
Prerequisites: KINE 2306, 2370; BIOL 1306, 1307, 3350, 3352.

**KINE 3374 General Medical Conditions in the Athlete (3)**

Students will gain knowledge, skills, and values that the entry-level certified athletic trainer must possess to recognize, treat, and refer, when appropriate, the general medical conditions and disabilities of athletes and others involved in physical activity. Includes learning and demonstrating general physical exam screening skills appropriate for entry-level athletic trainers. F '09 Prerequisites KINE 2306, KINE 2370; BIOL 1306, 1307, 3350, 3352.

**KINE 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.

**KINE 4175 Seminar in Athletic Training (1)**

The advanced preparation of scholarly writing complimenting discussion of topics and issues related to the field of athletic training. Emphasis is on professional preparation, employment, credentialing, governance, ethics, and scope of practice. Prereq KINE 2306, 2370, 3371, 3372, 3373, 3374, 4370, 4372, 4375.

**KINE 4195 Athletic Training Practicum 3A (1)**

Students will engage in supervised clinical activities with their Approved Clinical Instructor (ACI) associated with didactic learning from KINE 3373, KINE 4355 and KINE 3372. Students are required to log a minimum of 20 clock hours per week, including 1 hour of lab instruction, a maximum of 16 weekday hours, and a maximum of 8 weekend hours. Pre-requisites: KINE 3195, 3196, 3372, 3355, 4370. Co-requisites: KINE 4371, 4364, F.

**KINE 4196 Athletic Training Practicum 3B (1)**

Students will engage in supervised clinical activities with their Approved Clinical Instructor (ACI) associated with didactic learning from KINE 4371, KINE 4364, KINE 4171, and KINE 4364. Students are required to log a minimum of 20 clock hours per week, including 1 hour of lab instruction, a maximum of 16 weekday hours, and a maximum of 8 weekend hours. Pre-requisites: KINE 3196, 4371, 4364, 3373. Co-requisites: KINE 3171, KINE 4365. S

**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: 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, completed KINE 2385 or BIOL 3350/3150 and KINE 3340. 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

**KINE 4330 Motor Learning and Control (3)**

Variables influencing the control and learning of movement skills. Emphasis on the neural, physical, and behavioral aspects of motor control and the acquisition of skilled movements as a result of practice.S

**KINE 4340 Sociology of Sport and Physical Activity (3)**

The role of sport in society is examined. Special attention is given to a critical examination of abuses in modern sport and to social influences which act to modify sport. S

**KINE 4350 Psychology of Exercise (3)**

Concepts in psychology applied to an individual's involvement in exercise. Emphasis on theoretical models and methods for assessing exercise adherence. Investigation of methods and strategies for behavior intervention and program development to promote adherence to exercise programs. S

**KINE 4355 Psychology of Injury (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

**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. F, S, F.

**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. S, F.

**KINE 4364 Exercise and Nutrition (3)**

An in-depth examination of the nutritional effects that enhance exercise or sports performance. The class is designed to enhance the student's knowledge of the nutritional needs of athletes as well as possible 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, F.

**KINE 4365 Concepts in Strength & Conditioning (3)**

The class is designed to enhance the student's understanding of the physiological and biomechanical aspects of strength and fitness training methods. It will focus specifically on adaptations associated with aerobic, anaerobic and resistance training exercise programs. Prerequisite: KINE 2385, KINE 3340 and KINE 3350.

**KINE 4370 Therapeutic Modalities (3)**

In-depth study of the application of therapeutic physical agents and modalities treatment used in the care and rehabilitation of musculoskeletal injuries and conditions. The course will also focus on cognitive knowledge, psychomotor skills that used in the application of cryotherapy, hydrotherapy, and electrotherapy. Prerequisite: KINE 2370 or equivalent. S.

**KINE 4372 Rehabilitation of Athletic Injuries (3)**

Students will learn and initiate the principles and goals of common rehabilitative techniques and procedures of athletic injuries and therapeutic exercise. Emphasis will include holistic and evidence-based approaches to the application of techniques and procedures. F Prerequisites: KINE 2370, 3340; BIOL 3350, 3352.

**KINE 4375 Principles of Athletic Administration**

This course instructs organization and administration knowledge and skills needed to operate physical activity settings. Content focuses on leadership, personnel decisions, legal and insurance issues, budgeting, as well as facility management. The course content is applicable to students in all Athletic Training, and Kinesiology majors or minors. Prerequisites: KINE 2306 , 2370, BIOL 1306, BIOL1307, BIOL3350, BIOL 3352.

**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. F S

**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 as a tangible product. Acceptable end products of the practicum experience may include items such as, websites, workshops, coaching manuals, papers presented at professional meetings, refereed publications, or other tangible materials that will give an overview of the student's experience. F S

**KINE 4393 Practicum: Exercise Science I (3)**

This course is a 120 hour, on-campus, research practicum designed to develop students' research skills. Students work on a current research project under direct supervision of their major advisor. This typically takes place in the Kinesiology lab on campus. The culmination of this practicum experience will be the development of a tangible product such as a web site, workshop, treatment manual, paper presented at a professional meeting, or a refereed publication. This course is to be taken the semester before KINE 4394; taken the last semester of the student's program. F S

**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. F S

Degree plans are listed on the following pages according to the tracks of study within Kinesiology and Athletic Training. First is the Bachelor of Science in Kinesiology. There are three tracks.

**Track I is Pre-Professional Physical Education.**

**Track II is Exercise Science and Human Performance.**

**Track III is Sport and Exercise Studies.**

The Bachelor of Science in Athletic Training is the fourth degree plan. Information on this degree can also be found in an earlier section of the catalog. Speak to your advisor about your career plans and the degree you should pursue.

## DEGREE PLAN: BACHELOR OF SCIENCE IN KINESIOLOGY: Pre-Professional P.E. Specialization

NAME: \_\_\_\_\_  
CERTIFICATION  X Yes  X All-Level

SID#: \_\_\_\_\_ Semester Admitted: \_\_\_\_\_  
TASP STATUS:  Passed  Liable  Exempt  
 Reading  Writing  Math

**TRANSFER HOURS FROM OTHER INSTITUTIONS:**

Lower division total.....  
Upper division total .....  
Total hours counted toward degree .....

**GENERAL EDUCATION REQUIREMENTS (44 SCH):**

- \_\_\_ English Composition, 6 credits 1301 & 1302
- \_\_\_ Literature, 3 credits 2322, 2323, 2327, or 2328
- \_\_\_ U.S. History, 6 credits 1301 & 1302 recommended
- \_\_\_ U.S. & State Government, 6 credits 2305 & 2306
- \_\_\_ BIOL 1306/1106 AND BIOL 1307/1107
- \_\_\_ Mathematics (college algebra or above) 3 credits
- \_\_\_ Mathematics (math or stats recommended) 3 credits
- \_\_\_ Communication: COMM 1315, 3 credits
- \_\_\_ Visual/Performing Arts, 3 credits
- \_\_\_ Social Science, 3 credits

**NOTES ON GRADUATING:**

1. Read the UT 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 hours must be completed at UT Permian Basin.
4. Obtain at least a "C" grade in all Kinesiology courses. Maintain at least a grade point average of 2.0 or "C" in all courses applicable toward the degree in Kinesiology.
5. Students majoring in Kinesiology are required to complete an academic minor, which usually consists of 18 SCH. Please consult the appropriate 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.

**MINOR (or second teaching field) (18 sch):**

1. XXXX \_\_\_\_\_
2. XXX \_\_\_\_\_
3. XXXX upper level \_\_\_\_\_
4. XXXX upper level \_\_\_\_\_
5. XXXX upper level \_\_\_\_\_
6. XXXX upper level \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_

Students who successfully complete student teaching will need to take an upper level Kinesiology elective to replace KINE 4391 Independent Study. Successful completion of Student Teaching will replace the KINE 4392 Practicum course.

± Students who do NOT successfully complete student teaching MUST complete KINE 4391 Independent Study AND KINE 4392 Practicum.

\*\*The KINE 1109 Forms of Movement credits DO NOT apply to the sch total in the major, but DO count toward 120.

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**KINESIOLOGY DEGREE REQUIREMENTS:**

Prerequisites for KINE 2370; KINE 3340; KINE 3350; KINE 4310  
\_\_\_ KINE 2385 Anatomy & Physiology for Kinesiology  
Kinesiology Required Core Courses: 16 sch  
(6 courses)  
\_\_\_ KINE 1301 Concepts in Fitness and Health  
\_\_\_ KINE 2306 First Aid  
\_\_\_ 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 Performance in Sport & Exercise Sciences

**I. Pre-professional Physical Education Specialization: sch**

- \_\_\_ KINE 1109 Forms of Movement Courses (courses)\*\*
- \_\_\_ KINE 3310 Motor Development
- \_\_\_ KINE 3330 Physical Activity for the Disabled
- \_\_\_ KINE 3332 Instructional Styles for Diverse Learners
- \_\_\_ KINE 4310 Sports Skill Analysis (Prereq KINE 2385, KINE 3340)
- \_\_\_ KINE 4330 Motor Learning & Control
- \_\_\_ KINE 4320 Psych of Sport OR KINE 4350 Psych of Exercise
- \* \_\_\_ KINE 4391 Elective – see \* regarding this course
- \* \_\_\_ KINE 4392 Practicum - see \* note re student teaching

**Forms of Movement Requirements: 8 Courses**

KINE 1109 Adventure Education: \_\_\_\_\_  
KINE 1115 Aquatics: Water Activities for P.E.: \_\_\_\_\_  
KINE 1130 Elem. & Secondary Dance Activities: \_\_\_\_\_  
KINE 1131 Form and Target Sports \_\_\_\_\_  
KINE 1132 Racquet Sports \_\_\_\_\_  
KINE 1133 Team Sports \_\_\_\_\_  
KINE 1159 Weight Training \_\_\_\_\_  
KINE 1134 Sport Skills Progressions \_\_\_\_\_  
(Prerequisites: KINE 1109, 1115, 1130, 1131, 1132, 1133, 1159)

**II. Electives 6 sch**

- \_\_\_ Upper Level Elective (Phase I Cert. course can count toward this)
- \_\_\_ Upper Level Elective (Phase I Cert. course can count toward this)

**III. Certification Requirements: All-Level Physical Education  
Phase I: Teacher Education Core: (9 sch)**

1. PSYC 3341
2. EDUC 3352
3. EDUC 3362

\*Apply for program admission prior to registration for Phase II.

**Phase II: (3 sch)**

1. EDUC 4326.

\*Take diagnostic tests for TExES when finishing this phase.

**Phase III: (9 sch)**

1. EDUC 4332
2. EDUC 4333
3. EDUC 4334

\*Take/pass All-Level P.E. TExES. Apply for student teaching

**Phase IV: (6 sch)**

1. EDUC 4686 (Student Teaching) \_\_\_\_\_
2. EDUC 4099 (Seminar) \_\_\_\_\_
3. \*Take/pass EC-12 PPR TExES if not previously taken/pass



# DEGREE PLAN: BACHELOR OF SCIENCE IN KINESIOLOGY: Exercise Science PT w/Biology minor

NAME: \_\_\_\_\_  
 CERTIFICATION \_\_\_\_\_ Yes \_\_\_\_\_ No

SID#: \_\_\_\_\_ Semester Admitted: \_\_\_\_\_  
 TASP STATUS: \_\_\_\_\_ Passed \_\_\_\_\_ Liabile \_\_\_\_\_ Exempt  
 \_\_\_\_\_ Reading \_\_\_\_\_ Writing \_\_\_\_\_ Math

TRANSFER HOURS FROM OTHER INSTITUTIONS:  
 Lower division total..... \_\_\_\_\_  
 Upper division total ..... \_\_\_\_\_  
 Total hours counted toward degree ..... \_\_\_\_\_

GENERAL EDUCATION REQUIREMENTS (44 SCH):  
 \_\_\_ English Composition, 6 credits 1301 & 1302  
 \_\_\_ Literature, 3 credits 2322, 2323, 2327, 2328  
 \_\_\_ U.S. History, 6 credits 1301 & 1302  
 \_\_\_ U.S. & State Government, 6 credits 2305 & 2306  
 \_\_\_ BIOL 1306/1106 AND BIOL 1307/1107  
 \_\_\_ Mathematics (college algebra or above) 3 credits \_\_\_  
 Mathematics (computing, logic, math, stats) 3credits \_\_\_  
 Communication: COMM 1315, 3 credits  
 \_\_\_ Visual/Performing Arts, 3 credits  
 \_\_\_ Social Science, 3 credits

KINESIOLOGY DEGREE REQUIREMENTS;  
 Prerequisites for KINE 2370; KINE 3340; KINE 3350; KINE 4310  
 \_\_\_ BIOL 3350/3151 Human Anatomy & Lab (4 credits) AND  
 \_\_\_ BIOL 3352/3153 Human Physiology & Lab (4 credits)

**NOTES ON GRADUATING:**

1. Read the UT 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 hours must be completed at UT Permian Basin.
4. Students majoring in Kinesiology are required to complete an academic minor, which usually consists of 18 SCH. Please consult the appropriate 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.
5. Obtain at least a "C" grade in all Kinesiology courses. Maintain at least a grade point average of 2.0 or "C" in all courses applicable toward the degree in Kinesiology.
6. Earn at least a "C" grade in Biology 1305/1106 and Biology 1307/1107.

MINOR (or second teaching field): Biology (15 new sch)

1. Biology I \_\_\_\_\_
2. Biology II \_\_\_\_\_
3. Anatomy w/lab \_\_\_\_\_
4. Physiology w/lab \_\_\_\_\_
5. Genetics w/lab \_\_\_\_\_
6. Evolution \_\_\_\_\_

I. Kinesiology Required Core Courses: (16 sch)  
 \_\_\_ KINE 1301 Concepts in Fitness and Health  
 \_\_\_ KINE 2306 First Aid  
 \_\_\_ KINE 3340 Analysis of Human Movement  
 (Prereq BIOL 3350/3151, 3352/3153)  
 \_\_\_ KINE 3350 Exercise Physiology  
 (Prereq BIOL 3350/3151, 3352/3153)  
 \_\_\_ KINE 3151 Lab: Exercise Physiology  
 (taken with KINE 3350)  
 \_\_\_ KINE 4300 Measurement of Performance in Sport & Exercise Sciences

II. Exercise Science and Human Performance  
 (30 sch)  
 \_\_\_ KINE 1109 Forms of Movement Courses (3 activities)\*\*  
 \_\_\_ KINE 2370 Care & Prevention of Athletic Injuries  
 (Prerequisite BIOL 3350/3151, 3352/3153)  
 \_\_\_ 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 4365 Concepts in Strength and Conditioning  
 (Prereq KINE 1301, 2306, 3340, 3350, 3151)  
 \_\_\_ KINE 4393 Practicum: Exercise Science I  
 \_\_\_ KINE 4394 Practicum: Exercise Science II

III. Electives (15 sch)  
 \_\_\_ Elective  
 \_\_\_ Elective  
 \_\_\_ Elective  
 \_\_\_ Upper Level Elective  
 \_\_\_ Upper Level Elective  
 \_\_\_ Upper Level Elective

Forms of Movement Requirements: 3 Courses  
 KINE 1112 Aerobic Activities or KINE 1156 Aerobics  
 \_\_\_\_\_  
 KINE 1115 Beg/Adv Swimming \_\_\_\_\_  
 KINE 1159 Weight Training \_\_\_\_\_

\*\*The KINE 1109 Forms of Movement credits DO NOT apply to the sch total in the major, but DO count toward 120.

Student Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Advisor Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

# DEGREE PLAN: BACHELOR OF SCIENCE IN KINESIOLOGY:

## Exercise Science Non-PT Preparation

NAME: \_\_\_\_\_  
 CERTIFICATION  Yes  No

SID#: \_\_\_\_\_ Semester Admitted: \_\_\_\_\_  
 TASP STATUS:  Passed  Liable  Exempt  
 Reading  Writing  Math

TRANSFER HOURS FROM OTHER INSTITUTIONS:  
 Lower division total.....  
 Upper division total .....  
 Total hours counted toward degree .....

**GENERAL EDUCATION REQUIREMENTS (44 SCH):**

- English Composition, 6 credits 1301 & 1302
- Literature, 3 credits 2322, 2323, 2327, 2328
- U.S. History, 6 credits 1301 & 1302
- U.S. & State Government, 6 credits 2305 & 2306
- BIOL 1306/1106 AND BIOL 1307/1107
- Mathematics (college algebra or above) 3 credits
- Mathematics (computing, logic, math, stats) 3credits
- Communication: COMM 1315, 3 credits
- Visual/Performing Arts, 3 credits
- Social Science, 3 credits

**NOTES ON GRADUATING:**

1. Read the UT 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 hours must be completed at UT Permian Basin.
4. Students majoring in Kinesiology are required to complete an academic minor, which usually consists of 18 SCH. Please consult the appropriate 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.
5. Obtain at least a "C" grade in all Kinesiology courses. Maintain at least a grade point average of 2.0 or "C" in all courses applicable toward the degree in Kinesiology.
6. Earn at least a "C" grade in Biology 1305/1106 and Biology 1307/1107.

**MINOR (or second teaching field): Biology (18 sch)**

1. \_\_\_\_\_ XXXX \_\_\_\_\_
2. \_\_\_\_\_ XXXX \_\_\_\_\_
3. \_\_\_\_\_ 3XXX \_\_\_\_\_
4. \_\_\_\_\_ 3XXX \_\_\_\_\_
5. \_\_\_\_\_ 4XXX \_\_\_\_\_
6. \_\_\_\_\_ 4XXX \_\_\_\_\_

\*\*The KINE 1109 Forms of Movement credits DO NOT apply to the sch total in the major, but DO count toward 120.

Student Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

**KINESIOLOGY DEGREE REQUIREMENTS;**

Prerequisites for KINE 2370; KINE 3340; KINE 3350; KINE 4310  
 KINE 2385 Anat & Phys for Kines Majors OR  
 BIOL 3350/3151 Human Anatomy & Lab (4 credits) AND  
 BIOL 3352/3153 Human Physiology & Lab (4 credits)

**I. Kinesiology Required Core Courses: (16 sch)**

- KINE 1301 Concepts in Fitness and Health
- KINE 2306 First Aid
- KINE 3340 Analysis of Human Movement  
 (Prereq BIOL 3350/3151, 3352/3153)
- KINE 3350 Exercise Physiology (Prereq BIOL 3350/3151, 3352/3153)
- KINE 3151 Lab: Exercise Physiology (taken with KINE 3350)
- KINE 4300 Measurement of Performance in Sport & Exercise Sciences

**II. Exercise Science and Human Performance**

- (30 sch)
- KINE 1109 Forms of Movement Courses (3 activities)\*\*
  - KINE 2370 Care & Prevention of Athletic Injuries  
 (Prerequisite BIOL 3350/3151, 3352/3153)
  - 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 4365 Concepts in Strength and Conditioning  
 (Prereq KINE 1301, 2306, 3340, 3350, 3151))
  - KINE 4393 Practicum: Exercise Science I
  - KINE 4394 Practicum: Exercise Science II

**III. Electives (12 sch)**

- Elective
- Elective
- Upper Level Elective
- Upper Level Elective
- Upper Level Elective

**Forms of Movement Requirements: 3 Activities**

KINE 1112 Aerobic Activities or KINE 1156 Aerobics

KINE 1115 Beg/Adv Swimming \_\_\_\_\_

KINE 1159 Weight Training \_\_\_\_\_

# LEADERSHIP STUDIES



## **Carol Ann Traut, PhD**

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 Social Sciences 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 21<sup>st</sup> 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. In addition to appropriate coursework, 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.

### **Computer Use**

**3 credits**

Leadership Studies 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.

### **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 4692	Practicum (3 or 6 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
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#### Two Courses from the following list:

LEAD 3301	Advanced Leadership Theory
LEAD 4339	Leadership and Ethics
LEAD 4370	Conflict Resolution
LEAD 4692	Practicum (3 or 6 credit hours)

#### Two Courses from the LEAD Electives list below:

LEAD 4320	Women in Leadership
LEAD 4350	Leadership in Organizational Settings
LEAD 4351	Leadership in the Non-Profit Sector
LEAD 4360	Strategic Leadership and Planning
LEAD 4375	Leadership and Community Development
LEAD 4379	Selected Issues in Leadership Studies
LEAD 4391	Contract Study

### 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 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 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 4360 Strategic Leadership and Planning (3)**

Leadership skills in analysis and planning for public organizational change.

**LEAD 4370 Conflict Resolution (3)**

Principles and practices of reasoned communication, conflict resolution, negotiation, and mediation for leaders in public, community and non-profit organizations.

**LEAD 4375 Leadership and Community Development (3)**

The role and practices of public leaders in community and economic development.

**LEAD 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 social science requirement.

## 2011-2013 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, 1318, or 3355
  - \_\_\_ Visual and Performing Arts
  - \_\_\_ Social Science
  - \_\_\_ Computer Use

**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):

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**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 elective 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

### ELECTIVE COURSES TO COMPLETE THE MAJOR (15sch required):

- \_\_\_ LEAD 4320 Women in Leadership
- \_\_\_ LEAD 4350 Leadership in Organizational Settings
- \_\_\_ LEAD 4351 Leadership in the Non-Profit Sector
- \_\_\_ LEAD 4360 Strategic Leadership & Planning
- \_\_\_ LEAD 4375 Leadership and Community Development
- \_\_\_ LEAD 4379 Selected Topics: \_\_\_\_\_
- \_\_\_ LEAD 4379 Selected Topics: \_\_\_\_\_
- \_\_\_ LEAD 4379 Selected Topics: \_\_\_\_\_
- \_\_\_ LEAD 4379 Selected Topics: \_\_\_\_\_
- \_\_\_ LEAD 4379 Selected Topics: \_\_\_\_\_
- \_\_\_ LEAD 4391 Contract Study: \_\_\_\_\_

# MATHEMATICS



## **Paul Feit, PhD**

Dr. Paul Feit is Professor of Mathematics and Coordinator for Mathematics. Dr. Feit received his Bachelor degree from Harvard University and his Ph.D. from Princeton University (1985).

Administered by the Department of Mathematical and Computing Sciences within the College of Arts and Sciences.

## **Degree Requirements**

The minimum total credits required for a B.S. in Mathematics is 120. Of these, 48 must be upper level hours (that is, from courses with an index 3xxx or 4xxx).

## **General Education**

Complete the requirements shown in the General Education Requirements section 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.

#### **TEExES Requirements**

Candidates for TEExES 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 2350 or 2412, 2413, 2414, 3301, 3305, 3308, and 3350.

### Minor in Mathematics

#### **Lower Level:**

MATH 2413	Calculus and Analytic Geometry I	4
MATH 2414	Calculus and Analytic Geometry II	4

#### **Upper Level:**

MATH 3305	Mathematical Reasoning	3
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One from the following:

MATH 2415	Calculus and Analytical Geometry III	4
MATH 3320	Differential Equations	3
MATH 3301	Statistics	3
MATH 3360	Intermediate Analysis	3

One from the following:



MATH 3310 Linear Algebra	3
MATH 3315 Algebraic Structures	3
COSC 3312 Discrete Mathematics I	3

One more upper level math class: 3

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 BS 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 graph theory, optimization, data organization, and social decision models. Prerequisite: Two years of high school algebra, one year of high school geometry and satisfactory score on placement examination or completion of MATH 0399. FS

**MATH 1333 Contemporary Mathematics II (3)<sup>†</sup>**

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)<sup>†</sup>**

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)<sup>†</sup>**

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)<sup>†</sup>**

Differentiation of functions of one variable, introduction to integration. Prerequisite: MATH 2412 or satisfactory score on placement examination. FS

**MATH 2414 Calculus II (4)<sup>†</sup>**

Continuation of MATH 2413. Integration of transcendental functions, techniques of integration, sequences and series. Prerequisite: MATH 2413 FS

**MATH 2415 Calculus III (4)<sup>†</sup>**

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 4320 Partial Differential Equations (3)**

Study of second order linear and nonlinear partial differential equations and their applications. Emphasis on the heat, wave, and Laplace equations. Separation of variables and series solution methods in various coordinates systems. Prerequisites: MATH 2415, MATH 3310, MATH 3320.

**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.

## 2011-2013 DEGREE PLAN: BS IN MATHEMATICS

### 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 of 24 credits in their second teaching field.
- \_\_\_ History & Philosophy of Science, 3 sch: NTSC 4311
- \_\_\_ Literature, 3 sch, 2xxx or higher

**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.

### 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 48 sch from upper level courses at UTPB or upper level courses transferred;
- At least 30 from UTPB.

Freshman/sophomore total transferred: \_\_\_\_\_

Freshman/sophomore total UTPB: \_\_\_\_\_

Junior/senior level total transferred: \_\_\_\_\_

Junior/senior level total UTPB: \_\_\_\_\_

### 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  
sch = semester credit hours

### 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

## Mexican-American/Chicano Studies (Minor Only)

The undergraduate minor in Mexican-American/Chicano Studies is an interdisciplinary program which will introduce students to the study of the Mexican-American/Chicano experience. The combined courses will explore topics such as Chicano/a history, politics, immigration, literature, art, and issues of race/ethnicity.

Minor requirements: Students will complete 18 credits as described below. The student will take no more than six hours in any discipline.

Required courses:

History: HIST4354: Mexican-American History

Spanish Literature: SPAN 4352: Mexican-American Literature\*

The remaining courses are to be chosen from the following:

History: HIST 4364: Mexican-American Women or HIST 4365: Mexican-American Leaders.

Art: ARTS 3601: Diverse Art Studies Abroad.

*Note: This is a six-credit course. Additional funding may be required for travel.\*\**

Drama: Any upper-level drama course with course content primarily focused on Mexican-American drama.

Education: EDUC 4329: First and Second Language Acquisition or EDUC 4336: Issues of Multilingualism.\*\*\*

English: Any upper-level English course with course content primarily focused on Mexican-American literature.

Spanish literature: SPAN 4351: Mexican Literature or SPAN 4359: Central American Literature\*\*\*\*.

\* SPAN 4352 is taught in Spanish, and SPAN 2312 or successful CLEP-test substitution for the first two years of Spanish or instructor approval is a prerequisite.

\*\* Mexico was the country visited in 2009, but thereafter the schedule is uncertain. Students should check with their advisor before enrollment.

\*\*\* EDUC 4336 and EDUC 4329 have the following prerequisites: Admission to the Teacher Certification Program or permission of the instructor. The TExES pre-test may be required.

\*\*\*\*SPAN 4351 and SPAN 4359 are taught in Spanish and have the following prerequisite SPAN 3301.

## MULTICULTURAL STUDIES (Minor Only)

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 4354	Post-War Chicano/a History
ARTS 2341	Art History Survey II	HIST 4364	Mexican-American Women
ARTS 3300	Cross Cultural Art History	HIST 4365	Mexican-American Leaders
ARTS 3301	Women in Art II	HIST 4366	US Civil Rights Movement
ARTS 3303	American Art History I	HIST 4377	African-American History
ARTS 3304	American Art History II	MNGT 4320	International Management
ARTS 3305	Modern Hispanic Art	PSYC 3311	Social Psychology
ARTS 4302	History of African-American Art	PSYC 3341	Child/Adolescent Psychology
COMM 4308	Intercultural Communication	PSYC 4307	Health Psychology
DRAM 4340	Topics in Theatre History	PSYC 4381	Gender Studies
EDUC 3322	Developing Reading Strategies Through Classroom Literature	SOCI 3345	Race, Gender, Ethnicity and Social Change
EDUC 4316	Methods of Teaching a Second Language 4th-12th	SOCI 3348	Population Dynamics
ENGL 3306	Ethnic Literature	SOCI 3349	The Child in Society
ENGL 3325	American Women Playwrights	SOCI 4317	Women's Studies
ENGL 3335	American Women Writers	SOCI 4320	Social Stratification
HIST 2306	Modern Africa	SOCI 4325	Globalization
HIST 2312	Europe since 1500	SOCI 4370	Family Dysfunction & Substance Abuse
HIST 3311	Mexico	SPAN 3311	Practical Spanish and Translation
HIST 3326	Modern Europe	SPAN 3321	Hispanic Civilization
HIST 3355	Slavery in America	SPAN 4301	Spanish Literature I
HIST 3381	Modern China	SPAN 4311	Spanish-American Literature I
HIST 4307	South Africa	SPAN 4351	Mexican Literature
HIST 4336	Third Reich/Holocaust	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

Administered 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, Science, Mathematics, and Social Sciences, joined with preparation in Reading and Pedagogy. 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 become effective classroom educators.

The Multidisciplinary Studies degree features three tracks: Grades EC-6 teacher certification, Grades 4-8 teacher certification, 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 121.

### General Education

**44 credit hours**

Complete the General Education Requirements stated in this catalog. In meeting these requirements, Multidisciplinary Studies majors should include MATH 1314 or above and MATH 1350.

### Computer Use

Multidisciplinary Studies majors will demonstrate a basic use of computing through completion of at least one online course.

### Major Foundation Courses

**35 credit hours**

ENGL or SPAN (two courses; 2000-level or higher)  
HIST (2000-level or higher; HIST 3350 recommended)  
GEOG 1301 or 1302 or 1303  
ARTS 3300 or EDUC 4362 or ENGL 3306 or PSYC 3311 or SPAN 3378  
PSYC 3341 (or equivalent)  
CHLD 3352 (or equivalent)  
Science with lab (two courses)<sup>1</sup>  
MATH 2350  
PSYC 3301 (or other statistics or math course)

<sup>1</sup> Among these science courses and those taken to fulfill the general education requirements, it is recommended that a course be included from Life Science (BIOL), Earth Science (GEOL), and Physical Science (CHEM/PHYS/ENSC).

### Major Concentration Courses (select one area)

**42-45 credit hours**

#### **EC-6 Generalist**

Electives: 3 hours  
Early Childhood: CHLD 4311, 4314  
Reading/Literacy: EDUC 3322, 4313, 4317, 4324, 4325, 4327  
Pedagogy: EDUC 4312, 4372, 4373, 4680, 4099

#### **EC-6 Bilingual Generalist**

Early Childhood: CHLD 4311, 4329  
Reading/Literacy: EDUC 3322, 4313, 4317, 4315, 4325, 4327  
Pedagogy: EDUC 4312, 4363, 4372, 4373, 4681, 4099

**EC-6 Generalist with ESL**

Early Childhood: CHLD 4311, 4329  
Reading/Literacy: EDUC 3322, 4313, 4317, 4324, 4325, 4327  
Pedagogy: EDUC 4312, 4336, 4372, 4373, 4687, 4099

**EC-6 Generalist with Special Education**

Early Childhood: CHLD 4311, 4314  
Reading/Literacy: EDUC 3322, 4313, 4317, 4324, 4325, 4327  
Special Populations: EDUC 4352, 4353, 4354, 4355, 4356  
Pedagogy: EDUC 4312, 4372, 4373, 4680, 4099

**4-8 Generalist**

Electives: 15 hours. Must include sufficient upper level hours to meet the 48 hours required for graduation.  
Reading/Literacy: EDUC 3322 or 4323; EDUC 4325, 4326, 4327  
Pedagogy: EDUC 4321 or 4322; EDUC 4374, 4375, 4682, 4099

**4-8 Bilingual Generalist**

Electives: 9 hours. Must include sufficient upper level hours to meet the 48 hours required for graduation.  
Reading/Literacy: EDUC 3322 or 4323; EDUC 4329, 4315, 4325, 4327  
Pedagogy: EDUC 4321 or 4322; EDUC 4316, 4374, 4375, 4684, 4099

**4-8 Generalist with ESL**

Electives: 6 hours. Must include sufficient upper level hours to meet the 48 hours required for graduation.  
Reading/Literacy: EDUC 3322 or 4323; EDUC 4329, 4325, 4326, 4327, 4336  
Pedagogy: EDUC 4321 or 4322; EDUC 4316, 4374, 4375, 4688, 4099

**4-8 Generalist with Special Education**

Electives: 6 hours. Must include sufficient upper level hours to meet the 48 hours required for graduation.  
Reading/Literacy: EDUC 3322 or 4323; EDUC 4325, 4326, 4327  
Special Populations: EDUC 4352, 4353, 4354, 4355, 4356  
Pedagogy: EDUC 4321 or 4322; EDUC 4374, 4375, 4682, 4099

**General Studies (no certification)**

Language Arts: 9 upper-level hours selected from COMM, DRAM, ENGL, SPAN  
Social Studies: 9 upper-level hours selected from HIST, PLSC, PSYC, SOCI  
Sciences: 6 upper-level hours selected from BIOL, CHEM, ENSC, GEOL, NTSC, PHYS  
Emphasis Area: 18 hours in one specific area or discipline. Must include sufficient upper level hours to meet the 48 hours required for graduation.

**Restricted Courses**

Most upper-level courses have prerequisite courses. Before enrolling in an upper-level course in any discipline, students should check the catalog to ensure that they have completed the prerequisites listed for that course.

Enrollment in the following courses is restricted to students who have applied for and been accepted into the Teacher Certification Program: EDUC 4312, 4315, 4316, 4317, 4321, 4322, 4324, 4325, 4326, 4327, 4333, 4334, 4336, 4363, 4370, 4371, 4372, 4373, 4374, 4375, 4376, 4377, 4378.

Enrollment in the following courses is restricted to students who have applied for and been accepted into Student Teaching: EDUC 4099, 4379, 4381, 4387, 4388, 4679, 4680, 4681, 4682, 4683, 4684, 4685, 4686, 4687, 4688.



# DEGREE PLAN: BA IN MULTIDISCIPLINARY STUDIES

## EC-6 Generalist

### GENERAL EDUCATION (44 hours)

- \_\_\_\_\_ English Composition 1301 & 1302
- \_\_\_\_\_ Engl. Lit. 2322, 2323, 2327, or 2328
- \_\_\_\_\_ U.S. History 1301 & 1302
- \_\_\_\_\_ U.S./State Gov. PLSC 2305 & 2306
- \_\_\_\_\_ \*Lab sciences (2 courses)<sup>†</sup>
- \_\_\_\_\_ MATH 1314 or higher<sup>†</sup>; MATH 1350<sup>†</sup>
- \_\_\_\_\_ Speech Communication (1 course)
- \_\_\_\_\_ Visual & Performing Arts (1 course)
- \_\_\_\_\_ Social Science (1 course)

<sup>†</sup>These courses are also included in the major and must be completed with grades of "C" or better.

### 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 121 semester credit hours for the degree. At least 48 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.

### MAJOR COURSES

#### Language Arts and Reading

- \_\_\_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_\_\_ EDUC 3322
- \_\_\_\_\_ EDUC 4313
- \_\_\_\_\_ EDUC 4324\*
- \_\_\_\_\_ EDUC 4325\*
- \_\_\_\_\_ EDUC 4327\*

#### Social Sciences/Social Studies

- \_\_\_\_\_ GEOG 1301 or 1302
- \_\_\_\_\_ PSYC 3341 or equivalent

- \_\_\_\_\_ CHLD/EDUC 3352 or equivalent
- \_\_\_\_\_ EDUC 4362
- \_\_\_\_\_ CHLD/EDUC 4311
- \_\_\_\_\_ CHLD/EDUC 4314
- \_\_\_\_\_ HIST (2300 or higher U.S./Tex) \_\_\_\_\_

#### Mathematics

- \_\_\_\_\_ MATH 1314 or higher<sup>†</sup>
- \_\_\_\_\_ MATH 1350<sup>†</sup>
- \_\_\_\_\_ MATH 2350
- \_\_\_\_\_ Statistics (PSYC 3301 or equivalent)

#### Natural Sciences

- \_\_\_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_\_\_ Lab Science \_\_\_\_\_
- \_\_\_\_\_ Lab Science \_\_\_\_\_

The Science courses should include at least one course in each area: Life Science (BIOL), Earth Science (GEOL), and Physical Science (CHEM/PHYS/ENSC).

### Teaching Concentration

#### *EC-6 Generalist*

- \_\_\_\_\_ Elective \_\_\_\_\_
- \_\_\_\_\_ EDUC 4317\*
- \_\_\_\_\_ EDUC 4312\*
- \_\_\_\_\_ EDUC 4372\*
- \_\_\_\_\_ EDUC 4373\*
- \_\_\_\_\_ EDUC 4680\* (student teaching)
- \_\_\_\_\_ EDUC 4099\* (student teaching seminar)

\*Courses marked with an asterisk are restricted to students who have applied for and been accepted into the Teacher Certification Program.

# DEGREE PLAN: BA IN MULTIDISCIPLINARY STUDIES

## EC-6 Bilingual Generalist

### GENERAL EDUCATION (44 hours)

- \_\_\_ \_\_\_ English Composition 1301 & 1302
- \_\_\_ \_\_\_ Engl. Lit. 2322, 2323, 2327, or 2328
- \_\_\_ \_\_\_ U.S. History 1301 & 1302
- \_\_\_ \_\_\_ U.S./State Gov. PLSC 2305 & 2306
- \_\_\_ \_\_\_ \*Lab sciences (2 courses)<sup>†</sup>
- \_\_\_ \_\_\_ MATH 1314 or higher<sup>†</sup>; MATH 1350<sup>†</sup>
- \_\_\_ \_\_\_ Speech Communication (1 course)
- \_\_\_ \_\_\_ Visual & Performing Arts (1 course)
- \_\_\_ \_\_\_ Social Science (1 course)

<sup>†</sup>These courses are also included in the major and must be completed with grades of "C" or better.

### MAJOR COURSES

#### Language Arts and Reading

- \_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_ ENGL or SPAN 2300 or higher- \_\_\_\_\_
- \_\_\_ EDUC 3322
- \_\_\_ EDUC 4313
- \_\_\_ EDUC 4315\*
- \_\_\_ EDUC 4324\*
- \_\_\_ EDUC 4325\*
- \_\_\_ EDUC 4327\*

#### Social Sciences/Social Studies

- \_\_\_ GEOG 1301 or 1302
- \_\_\_ PSYC 3341 or equivalent
- \_\_\_ CHLD/EDUC 3352 or equivalent
- \_\_\_ EDUC 4362
- \_\_\_ CHLD/EDUC 4311
- \_\_\_ CHLD/EDUC 4329
- \_\_\_ HIST (2300 or higher U.S./Tex) \_\_\_

#### Mathematics

- \_\_\_ MATH 1314 or higher<sup>†</sup>
- \_\_\_ MATH 1350<sup>†</sup>
- \_\_\_ MATH 2350
- \_\_\_ Statistics (PSYC 3301 or equivalent)

### 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 124 semester credit hours for the degree. At least 48 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.

#### Natural Sciences

- \_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_ Lab Science \_\_\_\_\_
- \_\_\_ Lab Science \_\_\_\_\_

The Science courses should include at least one course in each area: Life Science (BIOL), Earth Science (GEOL), and Physical Science (CHEM/PHYS/ENSC).

#### Teaching Concentration

##### *EC-6 Bilingual Generalist*

- \_\_\_ EDUC 4317\*
- \_\_\_ EDUC 4312\*
- \_\_\_ EDUC 4363\*
- \_\_\_ EDUC 4372\*
- \_\_\_ EDUC 4373\*
- \_\_\_ EDUC 4681\* (student teaching)
- \_\_\_ EDUC 4099\* (student teaching seminar)

\*Courses marked with an asterisk are restricted to students who have applied for and been accepted into the Teacher Certification Program.

# DEGREE PLAN: BA IN MULTIDISCIPLINARY STUDIES

## EC-6 Generalist with ESL

### GENERAL EDUCATION (44 hours)

- \_\_\_ \_\_\_ English Composition 1301 & 1302
- \_\_\_ \_\_\_ Engl. Lit. 2322, 2323, 2327, or 2328
- \_\_\_ \_\_\_ U.S. History 1301 & 1302
- \_\_\_ \_\_\_ U.S./State Gov. PLSC 2305 & 2306
- \_\_\_ \_\_\_ \*Lab sciences (2 courses)<sup>†</sup>
- \_\_\_ \_\_\_ MATH 1314 or higher<sup>†</sup>; MATH 1350<sup>†</sup>
- \_\_\_ \_\_\_ Speech Communication (1 course)
- \_\_\_ \_\_\_ Visual & Performing Arts (1 course)
- \_\_\_ \_\_\_ Social Science (1 course)

<sup>†</sup>These courses are also included in the major and must be completed with grades of "C" or better.

### MAJOR COURSES

#### Language Arts and Reading

- \_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_ EDUC 3322 \_\_\_\_\_
- \_\_\_ EDUC 4313 \_\_\_\_\_
- \_\_\_ EDUC 4324\* \_\_\_\_\_
- \_\_\_ EDUC 4325\* \_\_\_\_\_
- \_\_\_ EDUC 4327\* \_\_\_\_\_

#### Social Sciences/Social Studies

- \_\_\_ GEOG 1301 or 1302 \_\_\_\_\_
- \_\_\_ PSYC 3341 or equivalent \_\_\_\_\_
- \_\_\_ CHLD/EDUC 3352 or equivalent \_\_\_\_\_
- \_\_\_ EDUC 4362 \_\_\_\_\_
- \_\_\_ CHLD/EDUC 4311 \_\_\_\_\_
- \_\_\_ CHLD/EDUC 4329 \_\_\_\_\_
- \_\_\_ HIST (2300 or higher U.S./Tex) \_\_\_\_\_

#### Mathematics

- \_\_\_ MATH 1314 or higher<sup>†</sup> \_\_\_\_\_
- \_\_\_ MATH 1350<sup>†</sup> \_\_\_\_\_
- \_\_\_ MATH 2350 \_\_\_\_\_
- \_\_\_ Statistics (PSYC 3301 or equivalent) \_\_\_\_\_

### 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 124 semester credit hours for the degree. At least 48 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.

#### Natural Sciences

- \_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_ Lab Science \_\_\_\_\_
- \_\_\_ Lab Science \_\_\_\_\_

The Science courses should include at least one course in each area: Life Science (BIOL), Earth Science (GEOL), and Physical Science (CHEM/PHYS/ENSC).

#### Teaching Concentration

##### EC-6 ESL Generalist

- \_\_\_ EDUC 4317\* \_\_\_\_\_
- \_\_\_ EDUC 4312\* \_\_\_\_\_
- \_\_\_ EDUC 4336\* \_\_\_\_\_
- \_\_\_ EDUC 4372\* \_\_\_\_\_
- \_\_\_ EDUC 4373\* \_\_\_\_\_
- \_\_\_ EDUC 4681\* (student teaching) \_\_\_\_\_
- \_\_\_ EDUC 4099\* (student teaching seminar) \_\_\_\_\_

\*Courses marked with an asterisk are restricted to students who have applied for and been accepted into the Teacher Certification Program.

# DEGREE PLAN: BA IN MULTIDISCIPLINARY STUDIES

## 4-8 Generalist

### GENERAL EDUCATION (44 hours)

- \_\_\_\_\_ English Composition 1301 & 1302
- \_\_\_\_\_ Engl. Lit. 2322, 2323, 2327, or 2328
- \_\_\_\_\_ U.S. History 1301 & 1302
- \_\_\_\_\_ U.S./State Gov. PLSC 2305 & 2306
- \_\_\_\_\_ \*Lab sciences (2 courses)<sup>†</sup>
- \_\_\_\_\_ MATH 1314 or higher<sup>†</sup>; MATH 1350<sup>†</sup>
- \_\_\_\_\_ Speech Communication (1 course)
- \_\_\_\_\_ Visual & Performing Arts (1 course)
- \_\_\_\_\_ Social Science (1 course)

<sup>†</sup>These courses are also included in the major and must be completed with grades of "C" or better.

### MAJOR COURSES

#### Language Arts and Reading

- \_\_\_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_\_\_ EDUC 3322 or 4323
- \_\_\_\_\_ EDUC 4325\*
- \_\_\_\_\_ EDUC 4326\*
- \_\_\_\_\_ EDUC 4327\*

#### Social Sciences/Social Studies

- \_\_\_\_\_ GEOG 1301 or 1302 or 1303
- \_\_\_\_\_ PSYC 3341 or equivalent
- \_\_\_\_\_ CHLD/EDUC 3352 or equivalent
- \_\_\_\_\_ EDUC 4362
- \_\_\_\_\_ HIST (2300 or higher U.S./Tex) \_\_\_\_\_

#### Mathematics

- \_\_\_\_\_ MATH 1314 or higher<sup>†</sup>
- \_\_\_\_\_ MATH 1350<sup>†</sup>
- \_\_\_\_\_ MATH 2350
- \_\_\_\_\_ Statistics (PSYC 3301 or equivalent)

#### Natural Sciences

- \_\_\_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_\_\_ Lab Science \_\_\_\_\_
- \_\_\_\_\_ Lab Science \_\_\_\_\_

The Science courses should include at least one course in each area: Life Science (BIOL), Earth Science (GEOL), and Physical Science (CHEM/PHYS/ENSC).

### 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 121 semester credit hours for the degree. At least 48 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.

#### Academic Support Electives

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

15 hours in supporting fields. Must include sufficient upper level hours to meet the 48 hours required for graduation.

#### Teaching Concentration

##### *4-8 Generalist*

- \_\_\_\_\_ EDUC 4321\* or 4322\*
- \_\_\_\_\_ EDUC 4374\*
- \_\_\_\_\_ EDUC 4375\*
- \_\_\_\_\_ EDUC 4682\* (student teaching)
- \_\_\_\_\_ EDUC 4099\* (student teaching seminar)

\*Courses marked with an asterisk are restricted to students who have applied for and been accepted into the Teacher Certification Program.

# DEGREE PLAN: BA IN MULTIDISCIPLINARY STUDIES

## 4-8 Bilingual Generalist

### GENERAL EDUCATION (44 hours)

- \_\_\_\_\_ English Composition 1301 & 1302
- \_\_\_\_\_ Engl. Lit. 2322, 2323, 2327, or 2328
- \_\_\_\_\_ U.S. History 1301 & 1302
- \_\_\_\_\_ U.S./State Gov. PLSC 2305 & 2306
- \_\_\_\_\_ \*Lab sciences (2 courses)<sup>†</sup>
- \_\_\_\_\_ MATH 1314 or higher<sup>†</sup>; MATH 1350<sup>†</sup>
- \_\_\_\_\_ Speech Communication (1 course)
- \_\_\_\_\_ Visual & Performing Arts (1 course)
- \_\_\_\_\_ Social Science (1 course)

<sup>†</sup>These courses are also included in the major and must be completed with grades of "C" or better.

### 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 121 semester credit hours for the degree. At least 48 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.

### MAJOR COURSES

#### Language Arts and Reading

- \_\_\_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_\_\_ EDUC 3322 or 4323
- \_\_\_\_\_ EDUC 4329
- \_\_\_\_\_ EDUC 4315\*
- \_\_\_\_\_ EDUC 4325\*
- \_\_\_\_\_ EDUC 4327\*

#### Social Sciences/Social Studies

- \_\_\_\_\_ GEOG 1301 or 1302 or 1303
- \_\_\_\_\_ PSYC 3341 or equivalent
- \_\_\_\_\_ CHLD/EDUC 3352 or equivalent
- \_\_\_\_\_ EDUC 4362
- \_\_\_\_\_ HIST (2300 or higher U.S./Tex) \_\_\_\_\_

#### Mathematics

- \_\_\_\_\_ MATH 1314 or higher<sup>†</sup>
- \_\_\_\_\_ MATH 1350<sup>†</sup>
- \_\_\_\_\_ MATH 2350
- \_\_\_\_\_ Statistics (PSYC 3301 or equivalent)

#### Natural Sciences

- \_\_\_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_\_\_ Lab Science \_\_\_\_\_
- \_\_\_\_\_ Lab Science \_\_\_\_\_

The Science courses should include at least one course in each area: Life Science (BIOL), Earth Science (GEOL), and Physical Science (CHEM/PHYS/ENSC).

#### Academic Support Electives

- \_\_\_\_\_ \_\_\_\_\_
- \_\_\_\_\_ \_\_\_\_\_
- \_\_\_\_\_ \_\_\_\_\_

9 hours in supporting fields. Must include sufficient upper level hours to meet the 48 hours required for graduation.

#### Teaching Concentration

##### *4-8 Bilingual Generalist*

- \_\_\_\_\_ EDUC 4321\* or 4322\*
- \_\_\_\_\_ EDUC 4316\*
- \_\_\_\_\_ EDUC 4374\*
- \_\_\_\_\_ EDUC 4375\*
- \_\_\_\_\_ EDUC 4684\* (student teaching)
- \_\_\_\_\_ EDUC 4099\* (student teaching seminar)

\*Courses marked with an asterisk are restricted to students who have applied for and been accepted into the Teacher Certification Program.

# DEGREE PLAN: BA IN MULTIDISCIPLINARY STUDIES

## 4-8 Generalist with ESL

### GENERAL EDUCATION (44 hours)

- \_\_\_ English Composition 1301 & 1302
- \_\_\_ Engl. Lit. 2322, 2323, 2327, or 2328
- \_\_\_ U.S. History 1301 & 1302
- \_\_\_ U.S./State Gov. PLSC 2305 & 2306
- \_\_\_ \*Lab sciences (2 courses)<sup>†</sup>
- \_\_\_ MATH 1314 or higher<sup>†</sup>; MATH 1350<sup>†</sup>
- \_\_\_ Speech Communication (1 course)
- \_\_\_ Visual & Performing Arts (1 course)
- \_\_\_ Social Science (1 course)

<sup>†</sup>These courses are also included in the major and must be completed with grades of "C" or better.

### MAJOR COURSES

#### Language Arts and Reading

- \_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_ EDUC 3322 or 4323
- \_\_\_ EDUC 4329
- \_\_\_ EDUC 4325\*
- \_\_\_ EDUC 4326\*
- \_\_\_ EDUC 4327\*

#### Social Sciences/Social Studies

- \_\_\_ GEOG 1301 or 1302 or 1303
- \_\_\_ PSYC 3341 or equivalent
- \_\_\_ CHLD/EDUC 3352 or equivalent
- \_\_\_ EDUC 4362
- \_\_\_ HIST (2300 or higher U.S./Tex) \_

#### Mathematics

- \_\_\_ MATH 1314 or higher<sup>†</sup>
- \_\_\_ MATH 1350<sup>†</sup>
- \_\_\_ MATH 2350
- \_\_\_ Statistics (PSYC 3301 or equivalent)

#### Natural Sciences

- \_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_ Lab Science \_\_\_\_\_
- \_\_\_ Lab Science \_\_\_\_\_

The Science courses should include at least one course in each area: Life Science (BIOL), Earth Science (GEOL), and Physical Science (CHEM/PHYS/ENSC).

### 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 121 semester credit hours for the degree. At least 48 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.

#### Academic Support Electives

- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_

6 hours in supporting fields. Must include sufficient upper level hours to meet the 48 hours required for graduation.

#### Teaching Concentration

##### *4-8 Generalist with ESL*

- \_\_\_ EDUC 4321\* or 4322\*
- \_\_\_ EDUC 4316\*
- \_\_\_ EDUC 4336\*
- \_\_\_ EDUC 4374\*
- \_\_\_ EDUC 4375\*
- \_\_\_ EDUC 4688\* (student teaching)
- \_\_\_ EDUC 4099\* (student teaching seminar)

\*Courses marked with an asterisk are restricted to students who have applied for and been accepted into the Teacher Certification Program.

# DEGREE PLAN: BA IN MULTIDISCIPLINARY STUDIES

General Studies (non-certification)

## GENERAL EDUCATION (44 hours)

- \_\_\_ \_\_\_ English Composition 1301 & 1302
- \_\_\_ \_\_\_ Engl. Lit. 2322, 2323, 2327, or 2328
- \_\_\_ \_\_\_ U.S. History 1301 & 1302
- \_\_\_ \_\_\_ U.S./State Gov. PLSC 2305 & 2306
- \_\_\_ \_\_\_ \*Lab sciences (2 courses)<sup>†</sup>
- \_\_\_ \_\_\_ MATH 1314 or higher<sup>†</sup>; MATH 1350<sup>†</sup>
- \_\_\_ \_\_\_ Speech Communication (1 course)
- \_\_\_ \_\_\_ Visual & Performing Arts (1 course)
- \_\_\_ \_\_\_ Social Science (1 course)

<sup>†</sup>These courses are also included in the major and must be completed with grades of "C" or better.

## MAJOR COURSES

### Language Arts and Reading

- \_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_ ENGL or SPAN 2300 or higher \_\_\_\_\_
- \_\_\_ ENGL/SPAN/COMM/DRAM 33xx \_\_\_\_\_
- \_\_\_ ENGL/SPAN/COMM/DRAM 33xx \_\_\_\_\_
- \_\_\_ ENGL/SPAN/COMM/DRAM 33xx \_\_\_\_\_

### Social Sciences/Social Studies

- \_\_\_ GEOG 1301 or 1302 or 1303
- \_\_\_ PSYC 3341 or equivalent
- \_\_\_ CHLD 3352 or equivalent
- \_\_\_ [Elect one] ARTS 3300; EDUC 4362; ENGL 3306; HIST 4376; PSYC 3311; SPAN 3378
- \_\_\_ HIST (2300 or higher U.S./Tex) \_\_\_
- \_\_\_ HIST/PLSC/PSYC/SOCI 33xx \_\_\_\_\_
- \_\_\_ HIST/PLSC/PSYC/SOCI 33xx \_\_\_\_\_
- \_\_\_ HIST/PLSC/PSYC/SOCI 33xx \_\_\_\_\_

### Mathematics

- \_\_\_ MATH 1314 or higher<sup>†</sup>
- \_\_\_ MATH 1350<sup>†</sup>
- \_\_\_ MATH 2350
- \_\_\_ Statistics (PSYC 3301 or equivalent)

## 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 121 semester credit hours for the degree. At least 48 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 2.0 in all courses applicable toward the degree.

### Natural Sciences

- \_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_ Lab Science<sup>†</sup> \_\_\_\_\_
- \_\_\_ Lab Science \_\_\_\_\_
- \_\_\_ Lab Science \_\_\_\_\_
- \_\_\_ Science (upper level) \_\_\_\_\_
- \_\_\_ Science (upper level) \_\_\_\_\_

The Science courses should include at least one course in each area: Life Science (BIOL), Earth Science (GEOL), and Physical Science (CHEM/PHYS/ENSC).

### Area of Emphasis

- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_

18 hours in one specific area or discipline. Must include sufficient upper level hours to meet the 48 hours required for graduation.

## Music



### **Dan Keast, PhD**

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 of this catalog.

### Computer Use

All students in the Humanities—music emphasis program must demonstrate basic use of the computer 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.

### **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 3208, 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 3100 Junior Recital (1)**

Preparatory experience for the senior recital. Pre-requisite for the senior recital.

**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 4100 Senior Recital (1)**

Capstone experience for graduating musicians and music teacher certification students.

**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.

**MUEN 1125 Show Choir (1)**

Provides experience in entertainment-oriented musical ensemble. Open to all students via audition. Corequisite: MUEN 1121 (Choral Ensemble). Exceptions may be made with instructor approval. May be repeated for credit

**MUEN 1126 Show Band (1)**

Provides experience in entertainment-oriented musical ensemble. Open to all students via audition. Corequisite: MUEN 1122 (Instrumental Ensemble). Exceptions may be made with instructor approval. May be repeated for credit

**MUEN 3101 Voice Class I (1)**

Voice class is designed for students who enjoy singing and wish to improve their vocal technique regardless of ability. Breathing, support, phrasing, diction, intonation and tone quality will be covered. Students will select, research and perform appropriate repertoire. No pre-reqs.

**MUEN 3105 Percussion Class I (1)**

Class instruction in percussion Instruments is designed to give students indispensable knowledge regarding percussion instruments and how they function in a school music setting. Each student will be expected to gain comprehensive understanding of all percussion instruments in the areas of performance, pedagogy, maintenance, and sound quality.

**MUEN 3120 Upper-Level Ensemble Credit (1)**

Provides experience in choral or instrumental performance and repertory. Open to all students. 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 1183 Class Voice I (1)**

Class Voice is designed to offer students the opportunity to study the voice as an instrument in an individual or small group setting. Students must exhibit superior intonation, tone production, & enhanced musical interpretation. Course will also introduce students to the principles of Bel Canto, the classic-style voice, as well as high quality solo vocal literature.

**MUSI 1184 Class Voice II (1)**

This course is an extension of MUSI 1183. Course studies contrasting styles within the song literature. Concurrent enrollment in Chancel Choir (MUEN1121) is recommended. Prerequisite: MUSI 1183.

**MUSI 1190 Class Guitar I (1)**

This a fun course for beginners or novice guitarists. The focus of the course is to learn correct hand position, strum patterns, chords, fingerpicking styles, proper posture, and how to use a capo.

**MUSI 1263 Jazz Studies & Improvisation (2)**

This course introduces improvisational methods through task-oriented performance of selected jazz repertoire. The course covers concepts and practice methods used by jazz artists to gain improvisation skills. Students will apply the knowledge in their own practice and performance.

**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 performance help illustrate the influence of music within the various fine arts.

**MUSI 1311 Music Theory and Sight Singing I (3)**

Reviews basic music theory, followed by study of diatonic melody, diatonic triadic and seventh chord harmony, embellishing tones, modes, and motivic variation procedures through analysis, part writing, composition, ear-training, sight-singing, and rhythmic reading. Required for all music majors.

**MUSI 1312 Music Theory and Sight Singing II (3)**

Continues MUSI 1311 to review basic music theory, followed by study of diatonic melody, diatonic triadic and seventh chord harmony, embellishing tones, modes, and motivic variation procedures through analysis, part writing, composition, ear-training, sight-singing, and rhythmic reading. Required for all music majors.

**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 1391 Contract Study in Music (3)**

Students who are pursuing independent study or research as described in the contract study format.

**MUSI 2190 Class Guitar II (1)**

This course is an extension MUSI 1190. The primary focus of this course is to advance the guitarist into genres such as folk, country, rock, jazz, and classical guitar literature. Prerequisite: MUSI 1190.

**MUSI 2310 Jazz, Pop & Rock (3)†**

Historical introduction to jazz and the American popular song, including rock and roll. No prerequisites.

**MUSI 2311 Music Theory and Sight Singing III (3)**

Presents secondary seventh chords, modulation, chromatic melody and harmony, and small forms through analysis, part-writing, composition, ear-training, sight-singing, and rhythmic reading. Required for all music majors.

**MUSI 2312 Music Theory and Sight Singing IV (3)**

Continues MUSI 2311 to present secondary seventh chords, modulation, chromatic melody and harmony, and small forms through analysis, part-writing, composition, ear-training, sight-singing, and rhythmic reading. Required for all music majors.

**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 3312 History of Opera and Music Theatre (3)**

An in-depth study of 8 major operatic and musical theatre works which not only places the works in a historical context, but also in larger cultural, societal and artistic contexts. Prerequisite: MUSI 1306, MUSI 1311, or instructor's consent. (F)

**MUSI 3314 Survey of 20<sup>th</sup> Century Masterpieces of Music (3)**

An in-depth study of 10 major 20th-century compositions from the perspective of compositional technique, historical and cultural significance, communicative power and critical acceptance. Prerequisite: MUSI 1306, MUSI 1311, or instructor's consent. (S)

**MUSI 3316 History of Music Education in America (3)**

The study of music education in American public schools from colonization to present. Prerequisite: MUSI 1306, MUSI 1311, or instructor's consent. (S)

**MUSI 3318 Jazz History (3)**

The study of the jazz idiom from its roots in ragtime and blues, through swing, bop, cool, fusion, and free styles, to current trends in mainstream jazz. Prerequisite: MUSI 1306, MUSI 1311, or instructor's consent. (F)

**MUSI 3342 Creative Development in Early Childhood (3)**

Students will focus 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. Prereq. - PSYC 3341 & Visual and Performing Arts general education requirement.

**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 3391 Contract Study in Music (3)**

Students who are pursuing independent study or research as described in the contract study format.

**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.

† **Course fulfills general education requirements.**

# Political Science

Administered by the Department of Social Sciences 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 B.A. in Political Science is 120.

### **General Education** **44 Credits**

Complete the requirements shown in the General Education Requirements section.

### **Computer Use**

All Political Science majors must demonstrate a basic use of computing through the completion of PLSC 3301 and PLSC 3302.

### **Political Science Major Requirements** **36 Credits**

PLSC 2305 American National Politics	3
PLSC 2306 State and Local Politics	3
PLSC 3301 Introduction to Political Science Research	3
PLSC 3302 Advanced Political Science Research	3

24 hours of upper-level political science courses

All Political Science majors must complete PLSC 3301 and PLSC 3302 before attempting their final 15 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**

PLSC 2305 American National Politics	3
PLSC 2306 State and Local Politics	3
PLSC 3301 – Introduction to Political Science Research	3

9 hours of upper-level political science courses

All Political Science minors must complete PLSC 3301 before attempting their final 6 hours of upper-level political science courses.

**TExES Requirements**

To meet Texas Higher Education Coordinating Board requirements, students seeking certification to teach grades EC-6 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.

Social Studies 4-8: ECON 2301; GEOG 1301; GEOG 1302 or 1303; HIST 1301, 1302, and 3350; HIST (two upper level US history courses and one non-US course); PLSC 2305, 2306, and 4335 or 4336.

Social Studies 8-12: ECON 2301, 2302; GEOG 1301; GEOG 1302 or 1303; HIST 1301, 1302; 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**

**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 3301 Introduction to Political Science Research (3)**

An introduction to the research process. Focus on formulating hypotheses, the process of data acquisition, basic methodology, literature reviews, and research proposals. Prerequisite: Successful completion of PLSC 2305 and PLSC 2306.

**PLSC 3302 Advanced Political Science Research (3)†**

Focus on conducting political analyses. Course includes basic components of correlation and linear regression, the basic components of multiple regression, and instruction in writing empirical research papers. Prerequisite: Successful completion of PLSC 3301.

**PLSC 3321 Comparative Politics (3)**

A comparative examination of the political systems of selected economically developed nations.

**PLSC 3327 Introduction to American Foreign Policy (3)**

Examines the factors and forces that shape the development and implementation of American foreign policy. Course includes consideration of presidential control of foreign policy and diplomacy, congressional oversight and interest group participation.

**PLSC 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 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 4342 Energy Policy (3)**

An examination of contemporary issues in energy 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 4355 Political Behavior (3)**

An examination of political participation, voting, and elections in the U.S.

**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 the general education section of this 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/Local Politics 2305 & 2306
- \_\_\_ \_\_\_ Lab Sciences, 8sch, (2 courses)
- \_\_\_ Mathematics (college algebra or above)
- \_\_\_ Mathematics (math, statistics)
- \_\_\_ Communication, 3sch, (1 course)
- \_\_\_ Visual/Performing Arts, 3sch (1 course)
- \_\_\_ Social Science, 3sch (1 course)
- \_\_\_ Computer Use (PLSC 3301, 3302)

**MINOR:** Most minors require 18 sch including 12 sch in upper-level courses.

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### **POLITICAL SCIENCE MAJOR: 36 SCH**

A major in Political Science requires 36 sch in Political Science including 12 sch of required courses, and at least 24 sch of additional upper-level PLSC courses.

#### **REQUIRED COURSES:**

- \_\_\_ PLSC 2305 American National Politics
- \_\_\_ PLSC 2306 State and Local Politics
- \_\_\_ PLSC 3301 Intro to Political Science Research
- \_\_\_ PLSC 3302 Advanced Political Science Research

#### **Upper-level courses:**

- \_\_\_ PLSC 3321 Comparative Politics
- \_\_\_ PLSC 3327 American Foreign Policy
- \_\_\_ PLSC 3330 Judicial Politics
- \_\_\_ PLSC 4321 Politics of Advanced Industrial Democracies
- \_\_\_ PLSC 4327 International Relations
- \_\_\_ PLSC 4335 Constitutional Law
- \_\_\_ PLSC 4336 Civil Liberties
- \_\_\_ PLSC 4341 Environmental Policy
- \_\_\_ PLSC 4342 Energy Policy
- \_\_\_ PLSC 4345 Public Policy

- \_\_\_ PLSC 4347 Public Administration
- \_\_\_ PLSC 4351 Political Theory
- \_\_\_ PLSC 4354 Congress and the Presidency
- \_\_\_ PLSC 4389 Selected Topics \_\_\_\_\_
- \_\_\_ PLSC 4391 Contract Study \_\_\_\_\_
- \_\_\_ PLSC \_\_\_\_\_
- \_\_\_ PLSC \_\_\_\_\_
- \_\_\_ PLSC \_\_\_\_\_
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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 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

## Pre-Law

The University of Texas of the Permian Basin does not offer a degree (or a minor) in Pre-law or legal studies. However, UTPB does offer courses and advising assistance for those planning to apply for law school after graduation.

### Preparing for law school:

There is no major or minor in pre-law. Lawyers with strong undergraduate preparation are needed in every field. Good law schools do NOT recommend a particular undergraduate major or any prescribed course of study before application to law school.

You do need a good G.P.A. so you should major and minor in disciplines that interest and excite you.

### Academic skills needed for success in law school:

- \*Critical analytical thinking skills
- \*Command of written and oral communication
- \*Appreciation of other cultures
- \* Broad-based knowledge of literature, the arts, history, the social sciences, mathematics, and the physical and biological sciences
- \*In-depth knowledge of one or more fields of knowledge

### Other useful experiences and skills:

- \*Volunteer in the community
- \*Get involved with student organizations
- \*Do an internship
- \*Learn to network

### Useful UTPB courses to take as electives:

You should have a general knowledge of how the governmental and legal systems work. Here are some upper division UTPB courses available for you to take as electives so that you can better understand the American legal system and learn some legal terminology:

COMM 3355	Advanced Public Speaking
COMM 4315	Communication Law
CRIM 4312	Criminal Procedure
CRIM 4322	Legal Foundations of Corrections
CRIM 4333	Law and Society
ENSC 3320	Environmental Law
LEAD 4370	Conflict Resolution
PLSC 3330	Judicial Politics
PLSC 4335	Constitutional Law
PLSC 4336	Civil Liberties
PSYC 4375	Psychology and the Law

### Taking the LSAT

The Law School Admission Council (LSAC) is the organization which administers the LSAT. The LSAT is a 3 ½ hour aptitude test to predict how well a student will do in law school. It tests reading comprehension as well as logical and analytical reasoning. The LSAT is required by every law school in North America. The LSAT should be taken the summer before your college senior year or at the latest the October before you plan to attend law school.

The LSAT may be taken more than once, and scores are treated in various ways depending upon the law school. The LSAT is administered nationally four times a year at many sites, including UTPB. Information on the LSAT and how to sign up for the testing (as well as other information about law schools) can be found on the LSAC web site: [www.lsac.org](http://www.lsac.org)

**Helpful websites:**

[www.lsac.org](http://www.lsac.org)

[www.PrincetonReview.com](http://www.PrincetonReview.com)

[www.prepmaster.com](http://www.prepmaster.com)

[www.LawSchoolRatings.com](http://www.LawSchoolRatings.com)

[www.prelawadvisor.com](http://www.prelawadvisor.com)

[www.lawbooks.com](http://www.lawbooks.com)

[www.LawSchools360.com](http://www.LawSchools360.com)

[www.alllaw.com](http://www.alllaw.com) (for specific law school websites and other information)

**Year-By-Year Checklist for the Pre-Law Student**

\*Freshmen and Sophomore years: focus on getting good grades, learning how to write and take tests, involving yourself in school organizations

\*Freshman and Sophomore years: contact the pre-law advisor on campus; finish your General Education requirements; begin to take courses in your major and minor; attend all Pre-Law sponsored activities

\*Junior year: maintain your GPA and your volunteer activities; schedule an internship off campus; start examining law schools and their requirements; study for the LSAT; maintain contact with the pre law advisor; schedule the LSAT

\*Note: UTPB is an official site for the LSAT. Check the [lsac.org](http://lsac.org) for dates, registration information, and code number for UTPB

\*Senior year: maintain your GPA; schedule the LSAT if you have not taken it earlier; finalize decisions on law school

**For more information, contact the Pre-Law Advisor:**

**Dr. Carol Ann Traut**

**Professor of Public Leadership**

**MB 4244**

**552-2341/-2850**

**FAX: 432 552-2851**

**Traut\_c@utpb.edu**

## PSYCHOLOGY



**Dr. Spencer Thompson**, Professor, is the Chair of Psychology and Coordinator of Child and Family Studies. After receiving his Ph.D. in Developmental Psychology at the University of California, Los Angeles, he came to UTPB in 1974. As a life-span developmentalist, he has researched gender-role development, parent-child relations, adolescent transition to adulthood, and cognitive/language development. He is continually impressed by the progress students achieve as they advance through the study of psychology with the dedicated professors in the department.

Administered by the Department of Psychology 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 and statistics, develop critical and creative thinking skills, apply psychological principles to a wide range of activities, learn ethical principles that underlie psychological approaches, demonstrate competence with information technology, communicate effectively, understand and respect the complexity of socio-cultural diversity, understand avenues for personal development, and apply psychological principles in various occupations.

Psychology is an extremely broad discipline and provides students the opportunity to prepare for a wide variety of careers or graduate school. For example, a major in Psychology can provide a liberal arts education with a broadened understanding of psychological functioning as it applies to the study of the simplest organisms to the most complex of human behavior. The major in Psychology is also useful for students preparing for advanced study in business administration, education, law, medicine, neuroscience, and social work. In addition, the major in Psychology is recommended for students planning careers in organizational settings (in the public or private domain) focusing on personnel, industrial training, urban planning, information systems, or pure and applied research; or careers in community settings focusing on the juvenile justice system, adult probation and parole, recreation, and educational or clinical services to children, adolescents, the aged and handicapped.

Students who complete the psychology major often desire to enter professional careers in psychology which require advanced study beyond the bachelor's level, such as clinical psychology, counseling psychology, industrial psychology, school psychology, research, and college teaching.

Psychology majors are encouraged to join the Psychology Club and Psi Chi, the U. T. Permian Basin Chapter of the National Honor Society in Psychology. Membership information is available from the faculty advisors.

## Degree Requirements

The minimum total credits required for a B. A. in psychology is 120.

### General Education

**44 Credits**

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

Biology

Either: BIOL 1306/1106 and BIOL 1307/1107; or  
BIOL 1308/1108 and a second Life/Physical Science Lab Course

### Computer Use

All Psychology majors must demonstrate a basic use of computing through the completion of statistics (PSYC 3301) and research methods (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. Students majoring in psychology are not permitted to choose a minor in Child and Family Studies. Students may choose any other minor.



## 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-6 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.

### Course Listing

#### **PSYC 1301 Introduction to Psychology (3)<sup>†</sup>**

Foundation for the understanding of basic psychological principles affecting human behavior (A prerequisite to all other courses in psychology). F,S,Sm

#### **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. F,S,Sm

#### **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. F,S,Sm

#### **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. F,S,Sm

#### **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 3350 Positive Psychology (3)**

This course will focus on psychological strengths and areas of personal growth among individuals, such as love, optimism, and self-efficacy.

**PSYC 3386 Human Sexuality (3)**

This course is designed to study the social nature of sexual expression. It examines the concepts that help frame questions about a wide range of sexual behaviors, attitudes and ideals.

**PSYC 3391 Contract Study (3)**

Students who are pursuing independent study or research as described in the contract study format. F,S

**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. F,S

**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,Sm

**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. Sm

**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. 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. A field experience is included. Co/prerequisite: PSYC 3341.F,S,Sm

**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: PSYC 3341 or 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 4354 Animal Behavior (3)**

Overview of the ecological, evolutionary, and genetic aspects of animal behavior. Prerequisites: BIOL 1306/1106, 1307/1107, PSYC 1301.

**PSYC 4355 Psychology of Injury (3)**

Identification 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.

**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 48 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 18 Sequencing is not necessary except where prerequisites apply. upper level credits in their 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 30sch must be upper level and cannot exceed 45hours)**

**A. REQUIRED CORE, 12-13 credits minimum (4 courses):**

- \_\_\_ PSYC 1301, Introduction to Psychology
- \_\_\_ PSYC 3301, Introductory Statistics (take as soon as possible)
- \_\_\_ PSYC 3404, Experimental Psychology (PSYC 3301 prereq)
- \_\_\_ PSYC 4393, Independent Research in Psychology (Senior standing and PSYC 3301 and 3404 prerequisites)

**B. REQUIRED COURSES WITHIN PAIRS OF COURSES,**

15-16 credits (5 courses). Each student is required to take at least one course from five of the following six pairs of courses.

(PSYC 1301 is a prerequisite for all upper level PSYC courses):

- \_\_\_ PSYC 3403, Principles of Learning, AND/OR
- \_\_\_ PSYC 4311, Cognitive Psychology
  
- \_\_\_ PSYC 3311, Social Psychology, AND/OR
- \_\_\_ PSYC 4306 Industrial/Organizational Psychology
  
- \_\_\_ PSYC 3321, Abnormal Psychology, AND/OR
- \_\_\_ PSYC 4351, Tests and Measurement (PSYC 3301 prereq)
  
- \_\_\_ PSYC 3341, Child/Adolescent Psychology, AND/OR
- \_\_\_ PSYC 3343, Adult Development and Aging
  
- \_\_\_ PSYC 4302, History and Systems of Psychology, AND/OR
- \_\_\_ PSYC 3322 Theories of Personality

\_\_\_ PSYC 4304, Physiological Psychology, AND/OR

\_\_\_ PSYC 4312, Sensation and Perception

**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.

Sophomores, juniors and seniors may enroll in any 3000 and 4000 course if the prerequisite has been taken.

To plan your long-term schedule it will be beneficial to know that PSYC 1301, 3301, 3404 and 4393 are taught each Fall and Spring and some Summers. The members of most of the six pairs of required courses under B are offered in such a fashion that one member of each pair is offered each Fall and Spring semester. If one member of the pair is taught in the Fall, the other member of the pair tends to be taught in the Spring. Students majoring in Psychology who plan to pursue advance study in psychology should make a plan with an advisor and are encouraged to select PSYC 3403, 3404, 3311, 3321, 3341, 3322, and 4351 from the pairs above.

## SOCIAL WORK

Dr. Sybil Schroeder, Assistant Professor of Social Work/Director of Field Education

Dr. Sybil Schroeder joined the nationally-accredited Bachelor of Social Work Program in 2009 from Tulane University where she served as Clinical Research Faculty in the School of Medicine and Adjunct Professor in the School of Social Work. Dr. Schroeder has extensive experience in the HIV/AIDS Pandemic Research project management and community organization.

Dr. Schroeder earned a Master of Social Work degree in Health/Mental Health Administration, Planning, and Organizing from SUNO (1997) and a Doctor of Philosophy from Tulane University, School of Social Work. She worked as a medical social worker in the home health arena and with HIV/AIDS projects in Charleston, South Carolina and New Orleans, Louisiana. As a result of her work, she has received several awards.

While at UTPB, she teaches Social Work Research, Cultural Diversity and Social Welfare Policy Analysis. As Director of Field Education, Dr. Schroeder oversees the Field Practicum portion of the BSW curriculum. She currently serves on the Board of Directors for Midland Community Healthcare Services and the Texas Statewide HIV/STD Prevention Community Planning Group.

### ACCREDITATION

The Bachelor of Social Work Program at UTPB was fully accredited by the Council on Social Work Education in June, 2007. All current and former graduates of this program are eligible to sit for the LBSW licensing examination given by the Texas State Board of Examiners for Social Workers, and therefore eligible to be licensed as baccalaureate social workers in the state of Texas.

### 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 prepares 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 1308/1108, Biology for Non-Majors, 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 two additional Social Science courses, ECON 2301, Principles of Macroeconomics, and either PSYC 1301, Introductory Psychology or SOCI 1301, Introduction to Sociology, whichever was not used to fulfill the Social Science requirement.

### **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 for all courses taken at UTPB, all Social Work (SOWK) courses, and all courses counting towards the degree.
2. Complete SOWK 2361 with a C or higher, and either SOWK 2320 or SOWK 3340 with a C or higher.
3. Attain a C or higher in all General Education courses.
4. Have 9 or fewer credit hours of the general education 44 sch core to complete.
5. Have completed at least 45 credit hours.

**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 BSW degree requires a minimum of 120 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 complete a minor. Requirements in addition to the general education core and core extension are:

1. Social Work Core Courses, 45 Credits

- SOWK 2361, Introduction to Social Work
- SOWK 2320, Social Welfare Policies and Issues
- SOCI 3317/PSYC 3301, Introductory Statistics\* (credits counted under General Education)
- SOWK 3320, Social Policy Analysis
- SOWK 3324, Ethics & Values of Social Work
- SOWK 3330, Introduction to Social Work Research
- SOWK 3340, Human Behavior in the Social Environment I: Lifespan Development
- SOWK 3345, Child abuse and Neglect
- SOWK 3350, Social Justice
- SOWK 3355, Social Work Practice with Individuals and Families
- SOWK 3356, Social Work Practice with Groups
- SOWK 4280, Field Practicum I Seminar
- SOWK 4281, Field Practicum II Seminar
- SOWK 4370, Social Work Practice with Organizations and Communities
- SOWK 4480, Field Practicum I
- SOWK 4481, Field Practicum II

2. Electives, 25 credits, or the number required to complete a total of 120 credit hours. Choices from the following are suggested.

- |  |   |
|--|---|
| COMM 3355, <i>Advanced Public Speaking</i>         | PSYC 3322, <i>Theories of Personality</i>         |
| COMM 3375, <i>Political Communication</i>          | PSYC 3341, <i>Child and Adolescent Psychology</i> |
| COSC 1335, <i>Computers and Problem Solving</i>    | PSYC 3343, <i>Adult Development</i>               |
| CRIM 3350, <i>Social Deviance</i>                  | PSYC 3386, <i>Human Sexuality</i>                 |
| CRIM 3365, <i>Juvenile Delinquency and Justice</i> | PSYC 3403, <i>Principles of Learning</i>          |
| PSYC 4307, <i>Health Psychology</i>                |   |
| HIST 3371, <i>American Minorities</i>              | PSYC 4308, <i>Introduction to Counseling</i>      |
| KINE 1301, <i>Concepts in Fitness and Health</i>   | PSYC 4341, <i>The Exceptional Child</i>           |

KINE 3310, *Motor Development*  
KINE 3330, *Physical Activity for the Disabled*  
LEAD 4339, *Leadership and Ethics*  
LEAD 4350, *Leadership in Organizational Settings*  
LEAD 4360, *Strategic Leadership and Planning*  
LEAD 4370, *Conflict Resolution*  
LEAD 4375, *Leadership and Community Development*  
PLSC 3321, *Comparative Politics*  
PLSC 3327, *American Foreign Policy*  
PLSC 4321, *Politics of Adv. Industrial Democracies*  
PLSC 4336, *Civil Liberties*  
PLSC 4345, *Public Policy*  
PLSC 4347, *Public Administration*  
PLSC 4351, *Political Theory*  
PSYC 3311, *Social Psychology*  
PSYC 3321, *Abnormal Psychology*

SOCI 3345, *Race, Gender, Ethnicity & Social Change*  
SOCI 3348, *Population Dynamics*  
SOCI 3349, *The Child in Society*  
SOCI 4315, *Sociology of Organizations*  
SOCI 4320, *Social Stratification*  
SOCI 4324, *Political Sociology*  
SOCI 4325, *Globalization*  
SOCI 4360, *Social Gerontology*  
SOCI 4362, *Sociology of Health and Illness*  
SOCI 4363, *Death and Dying*  
SOWK 3347, *Rural Sociology*  
SOWK 3360, *Cultural Diversity*  
SOWK 3390, *The Family*  
SOWK 4305, *Drugs and Behavior*

### **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 the majority of the social work core courses should apply for acceptance into the field placement in the long semester prior to the semester they anticipate entering field. Application for field placement 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 2361, *Introduction to Social Work*  
SOWK 2320, *Social Welfare Policies and Issues*  
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. Pre/co-requisite: PLSC 2305 and 2306, 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. 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. Pre/co-requisite: 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 3340 Human Behavior in the Social Environment I: Lifespan Development (3)**

This course examines the dynamics of human behavior and provides students with a basic knowledge of the biological, psychological, and sociological influences on the interactions of individuals, families, and groups with society. This course will emphasize systems theory from the social work perspective. Underlying the course will be an appreciation for human diversity, including but not limited to ethnicity, gender, sexual orientation, and various aspects of the family and groups. Pre-requisite or Co-requisite: BIOL 1306/1106 – General Biology I, SOWK 2361–Introduction to Social Work. F

**SOWK 3345 Child Abuse and Neglect (3)**

The overall objective of this course is help students develop an understanding of the various forms of child abuse, identify the underlying causes of this multifaceted problem, and to appropriately identify the types of services that will benefit maltreated children and their families. The nature and impact of child maltreatment, the ways in which society prevents or responds to it, and the system of response to child maltreatment are addressed. The course will also cover the importance of promoting social and economic justice for children and ways to empower children and their parents through the helping process.

**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 3350 Social Justice (3)**

This course is designed to explore the principles that have shaped America, and to weigh them against the reality of American life. Specifically, how have the values of justice, democracy, liberty, and equality been understood, and to what extent have they been fulfilled in contemporary American society? These questions will be pursued from a historical, philosophical, and social science perspective in order to provide students with a broad framework for analyzing whether we have created a society that is consistent with these four

core American principles. A special emphasis is placed upon the role of social justice in social work. Prerequisites: SOWK 2361, ECON 2301. S

**SOWK 3355 Social Work Practice with Individuals and Families (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. Pre/co-requisite: SOWK 3340. S

**SOWK 3356 Social Work Practice with Groups (3)**

This social work 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. Prerequisite: SOWK 3340.

**SOWK 3360 Cultural Diversity (3)**

This course is designed to expand student's cultural awareness to support the development of effective interaction with and service to culturally diverse populations, and will focus on the development of competence in cultural diversity as it relates to individuals, families, groups, organizations and communities from the generalist perspective. Skill-building exercises will focus on assessment, intervention, and advocacy with diverse cultural groups. F

**SOWK 3389 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.

**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 field placement experiences. Prerequisites: SOWK 3355, SOWK 3324. 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 4280. 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 4370 Social Work Practice with Organizations and Communities-(3)**

A social work practice course 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 3340, or permission of the instructor.

**SOWK 4480 Field Practicum I (4)**

This is the first of two field courses in a supervised community social service agency consisting of a minimum of 240 hours (16 hours per week for 15 weeks of the semester). A weekly seminar (SOWK 4280) accompanies this course which enables the student to integrate and apply classroom learning (theory and practice) in the field setting. Prerequisites: Formal admission to field placement, SOWK 3340, SOWK 3355, and SOWK 3356. Co-requisite: SOWK 4280.

**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.

# BACHELOR OF SOCIAL WORK: DEGREE PLAN

## GENERAL EDUCATION REQUIREMENTS (50 sch)

- \_\_\_ English Composition, 1301 & 1302
- \_\_\_ Sophomore Literature, 2322, 2323, 2327, 2328
- \_\_\_ U. S. History, 1301 & 1302
- \_\_\_ American Nat'l Politics, 2305
- \_\_\_ State and Local Politics, 2306
- \_\_\_ Visual/Performing Arts (3 sch)
- \_\_\_ BIOL 1308/1108 & second Life/Physical Science
- \_\_\_ ECON 2301, Principles of Macroeconomics
- \_\_\_ PSYC 1301, Introduction to Psychology
- \_\_\_ SOCI 1301, Introduction to Sociology
- \_\_\_ Speech, 1315, 1318, 1321 (3 sch)
- \_\_\_ Mathematics, 1332, 2412 (3 sch)
- \_\_\_ PSYC 3301 or SOCI 3317\* (3sch) (meets the statistics requirement for social work program)

## TRANSFER CREDITS (if any):

Freshman/Sophomore total credits (68 total transferable) \_\_\_\_\_  
 Junior/Senior total credits transferred..... \_\_\_\_\_  
 Total credits transferred (90 maximum)..... \_\_\_\_\_

## GRADUATION REQUIREMENTS:

1. Read the UTPB catalog and be familiar with all requirements for the BSW degree. **It is the student's responsibility to know/fulfill all requirements.**
2. At least **48** credits must be at the junior/senior level. At least **30** of those hours must be completed at UTPB.
3. All Field Practicum courses must be completed at UTPB.
4. An **overall GPA of 2.5 or higher** for all classes taken at UTPB.
5. A **GPA of 2.5 or higher in all classes counting for the degree.**
6. A **minimum grade of C in all general education and Social Work core courses.**

## MAJOR REQUIREMENTS:

The BSW degree requires a minimum of 120sch, with at least 54 upper level credits (3000/4000), and DOES NOT REQUIRE A MINOR. The program consists of: (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 for all classes taken at UTPB, all Social Work (SOWK) courses, and all classes for the degree.
2. Complete SOWK 2361 with a C or higher, and either SOWK 2320, SOWK 3324, or SOWK 3340 with a C or higher.
3. Attain a C or higher in all General Education courses.
4. Have 9 or fewer hours of the general education 44 sch core to complete.
5. Have completed at least 45 credit hours.

## STAGE 2: THE SOCIAL WORK MAJOR:

Admission to The Social Work major requires:

1. Completion of the Pre-Social Work stage requirements.
2. Submission of the formal application for admission.

### A. Social Work Core (45 credits)

- \_\_\_ SOWK 2361, Introduction to Social Work
- \_\_\_ SOWK 2320, Social Welfare Policies and Issues
- \_\_\_ SOCI 3317/PSYC 3301, Introductory Statistics\* (credits counted under General Education)
- \_\_\_ SOWK 3320, Social Policy Analysis
- \_\_\_ SOWK 3324, Ethics and Values of Social Work
- \_\_\_ SOWK 3330, Introduction to Social Work Research
- \_\_\_ SOWK 3340, HBSE: Lifespan Development
- \_\_\_ SOWK 3345, Child Abuse and Neglect

- \_\_\_ SOWK 3350, Social Justice
- \_\_\_ SOWK 3355, Social Work Practice with Individuals and Families
- \_\_\_ SOWK 3356, Social Work Practice with Groups
- \_\_\_ SOWK 4370, Social Work Practice with Organizations and Communities
- \_\_\_ SOWK 4280, Field Practicum I Seminar
- \_\_\_ SOWK 4480 Field Practicum I
- \_\_\_ SOWK 4281, Field Practicum II Seminar
- \_\_\_ SOWK 4481, Field Practicum II

### B. Electives (25 credits)

- Choose a minimum of 25 elective credits, or the number required to complete a total of 120 credit hours. The following are recommended.

- \_\_\_ COMM 3355, Advanced Public Speaking
- \_\_\_ COMM 3375, Political Communication
- \_\_\_ COSC 1335, Computers and Problem Solving
- \_\_\_ CRIM 3350, Social Deviance
- \_\_\_ CRIM 3365, Juvenile Delinquency and Justice
- \_\_\_ KINE 1301, Concepts in Fitness and Health
- \_\_\_ KINE 3310, Motor Development
- \_\_\_ KINE 3330, Physical Activity for the Disabled
- \_\_\_ LEAD 4339, Leadership and Ethics
- \_\_\_ LEAD 4370, Conflict Resolution
- \_\_\_ LEAD 4375, Leadership and Community Development
- \_\_\_ PLSC 3321, Comparative Politics
- \_\_\_ PLSC 3327, American Foreign Policy
- \_\_\_ PLSC 4321, Politics of Advanced Industrial Democracies
- \_\_\_ PLSC 4336, Civil Liberties
- \_\_\_ PLSC 4345, Public Policy
- \_\_\_ PLSC 4347, Public Administration
- \_\_\_ PLSC 4351, Political Theory
- \_\_\_ PSYC 3311, Social Psychology
- \_\_\_ PSYC 3321, Abnormal Psychology
- \_\_\_ PSYC 3322, Theories of Personality
- \_\_\_ PSYC 3341, Child and Adolescent Psychology
- \_\_\_ PSYC 3343, Adult Development
- \_\_\_ PSYC 3386, Human Sexuality
- \_\_\_ PSYC 3403, Principles of Learning
- \_\_\_ PSYC 4307, Health Psychology
- \_\_\_ PSYC 4308, Introduction to Counseling
- \_\_\_ PSYC 4341, The Exceptional Child
- \_\_\_ SOCI 3345, Race, Gender, Ethnicity & Social Change
- \_\_\_ SOCI 3348, Population Dynamics
- \_\_\_ SOCI 3349, The Child in Society
- \_\_\_ SOCI 4315, Sociology of Organizations
- \_\_\_ SOCI 4320, Social Stratification
- \_\_\_ SOCI 4324, Political Sociology
- \_\_\_ SOCI 4360, Social Gerontology
- \_\_\_ SOCI 4362, Sociology of Health and Illness
- \_\_\_ SOCI 4363, Death and Dying
- \_\_\_ SOWK 3347, Rural Sociology
- \_\_\_ SOWK 3360, Cultural Diversity
- \_\_\_ SOWK 3390, The Family
- \_\_\_ SOWK 4305, Drugs and Behavior
- \_\_\_ Other (as approved by Program Director) \_\_\_\_\_

Copies to: (1) Registrar (2) The Student (3) Advising File

(Revised 1/11)

## SOCIOLOGY



### **Joanna Hadjicostandi, PhD**

Associate Professor of Sociology and Program Coordinator

BA, Sociology, Greenwich University, England; MA, PhD (1987), Sociology, Northeastern University, Boston, MA

Born in Alexandria, Egypt of Greek parents and having lived and traveled in many countries globally, Dr. Hadjicostandi has a wide knowledge of Sociology, globalization, cultural diversity and multiculturalism. Her teaching and research interests include international development, migration, gender, race, social class, ethnicity, community development and labor markets.

Administered by the Department of Social Sciences 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 the study of 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.

Sociology majors 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. 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 other computer science course, which requires the actual use of computers, before taking the required course sequence SOCI 3317, SOCI 4403 and SOCI 4399.

## **Sociology Major Requirements**

**34 Credits**

Requirements for a Bachelor of Arts degree are **34** semester credit hours. The following courses are specifically required for the major:

SOCI 1301	Introduction to Sociology
SOCI 3317	Introductory Statistics
SOCI 3327	Sociological Theory
SOCI 4403	Social Research Methods
SOCI 4399	Senior Research Seminar

All students must complete SOCI 1301 and 16 semester credits of core courses followed by 18 semester credits from a selected list of sociology or approved cross-listed courses. It is recommended that SOCI3327 Sociological Theory is completed as soon as possible. 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. Students who major in Sociology may not choose a minor in Child and Family Studies.

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. 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)<sup>†</sup>**

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 COSC1335 or permission of instructor. F

**SOCI 3326 Modern Europe (3)**

Europe from the French Revolution to the present. Emphasis on social and political trends. Summer

**SOCI 3327 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, Martineau, Parsons, Gramsci, or Lukacs among others. Substantive theories of social organization are examined. Prerequisite: SOCI 1301. 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, Summer

**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, Summer

**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. F,S,Summer

**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 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.

**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 4316 Social Determinants of Energy Use (3)**

This course will consider the social consequences of the economic and environmental impact of energy choices in the U.S. and globally and how they shape societal norms and values. It will develop a critical understanding of the social attitudes, norms, values and behaviors toward energy consumption. S, Summer

**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 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, Summer

**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 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, shantytowns, 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,Summer

**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,Summer

**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. Variable credit of 3 or 6 hours depending on the number of hours worked and the academic requirements as established by the instructor. In the event of fulfilling 6 hours, only 3 will apply to the course, while the other 3 will be used as elective hours. 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,Summer

**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 4403.  
F, S

† Course fulfills general education requirement

## 2009-2011 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 (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. \_\_\_\_\_
5. \_\_\_\_\_
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 **48** 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 34 sch in Sociology of which 16 sch must include the following list of 5 required core courses. The remaining 6 courses must be selected from the list below that.

### CORE COURSES: 16 hours.

- \_\_\_ SOCI 1301 Introduction to Sociology
- \_\_\_ SOCI 3317 Introduction to Statistics \*
- \_\_\_ SOCI 3327 Sociological Theory

- \_\_\_ SOCI 4403 Social Research Methods \*
- \_\_\_ SOCI 4399 Senior Research Seminar \*

**\*SOCI 3317; SOCI 4403; SOCI 4399 MUST BE TAKEN IN SEQUENCE SHOWN.**

**ADDITIONAL COURSES: 18 hours must be completed from the following courses.**

- \_\_\_ SOCI 2350 Social Problems
- \_\_\_ SOCI 2389 Multi Listing Course \_\_\_\_\_
- \_\_\_ SOCI 3326 Modern Europe
- \_\_\_ 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 3640 Diversity Studies Abroad
- \_\_\_ SOCI 4305 Drugs and Behavior
- \_\_\_ SOCI 4315 Sociology of Organizations
- \_\_\_ SOCI 4316 Social Determinants of Energy Use
- \_\_\_ SOCI 4317 Women's Studies
- \_\_\_ SOCI 4320 Social Stratification
- \_\_\_ 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 4393 Internship in Applied Sociology (moved from core)
- \_\_\_ SOCI 4394 Independent Research in Sociology
- \_\_\_ SOCI \_\_\_\_\_
- \_\_\_ SOCI \_\_\_\_\_
- \_\_\_ SOCI \_\_\_\_\_

### PREREQUISITES FOR THE MAJOR:

- SOCI 1301
- COSC 1335

## BA SOCIOLOGY ONLINE

The program is administered by the Department of Social Sciences within the College of Arts and Sciences

### **Joanna Hadjicostandi, PhD**

Associate Professor of Sociology and Program Coordinator

BA, Sociology, Greenwich University, England; MA, PhD (1987), Sociology, Northeastern University. Boston, MA

Born in Alexandria, Egypt of Greek parents and having lived and traveled in many countries globally, Dr. Hadjicostandi has a wide knowledge of Sociology, cultural diversity and multiculturalism. Her teaching and research interests include international development, migration, gender, race, social class, ethnicity, community development and labor markets.

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 the study of 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.

Sociology majors 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 the B. A. in Sociology online is **120**.

#### **General Education**

**44 Credits**

Students must complete the requirements shown in the General Education Requirements section of this catalog. The Social Science requirement will be met by any social science course other than SOCI 1301.

#### **Computer Use**

All online sociology majors must demonstrate their computer proficiency by virtue of the fact that all the courses in this program are delivered online.

#### **Sociology Major Requirements**

**34 Credits**

Requirements for a Bachelor of Arts degree are **34** semester credit hours. The following courses are specifically required for the major:

SOCI 1301	Introduction to Sociology
SOCI 3317	Introductory Statistics
SOCI 3327	Sociological Theory
SOCI 4303	Social Research Methods
SOCI 4399	Senior Research Seminar

All students must complete SOCI 1301 and 12 semester credits of core courses followed by 18 semester credits from a selected list of sociology or approved cross-listed courses. It is recommended that SOCI3327 Sociological Theory is completed as soon as possible.

### 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. If a student chooses to obtain the minor online, there are several options at UTPB. Please consult your advisor.

### Course Listing

#### **SOCI 1301 Introduction to Sociology (3)<sup>†</sup>**

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 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 COSC1335 or permission of instructor. F

#### **SOCI 3326 Modern Europe (3)**

Europe from the French Revolution to the present. Emphasis on social and political trends. Summer

#### **SOCI 3327 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, Martineau, Parsons, Gramsci, or Lukacs among others. Substantive theories of social organization are examined. Prerequisite: SOCI 1301. F

#### **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 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, Summer

#### **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. F,S,Summer

**SOCI 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.

**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 4316 Social Determinants of Energy Use (3)**

This course will consider the social consequences of the economic and environmental impact of energy choices in the U.S. and globally and how they shape societal norms and values. It will develop a critical understanding of the social attitudes, norms, values and behaviors toward energy consumption. S, Summer

**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 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, Summer

**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 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

**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, Summer

**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, Summer

**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. Variable credit of 3 or 6 hours depending on the number of hours worked and the academic requirements as established by the instructor. In the event of fulfilling 6 hours, only 3 will apply to the course, while the other 3 will be used as elective hours. 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, Summer

**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 4403. F, S

† Course fulfills general education requirements

# 2011-2013 Degree Plan: BA SOCIOLOGY ONLINE

**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 (math, statistics) 3 credits
  - \_\_\_ Visual/Performing Arts (3 hours)
  - \_\_\_ Social Science (3 hours) other than SOCI 1301
  - \_\_\_ Communication (3 hours)

**MINOR** \_\_\_\_\_

In general, the minor is 18sch with 12sch at the upper level. Please refer to the catalog for specific minor requirements.

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**NOTES ON GRADUATING:**

1. Read the U. T. Permian Basin catalog and be familiar with the University's requirements for the B. A. degree, and the general education requirements for the B. A. degree. It is the student's responsibility to read the catalog and be familiar with and fulfill all the requirements for the B.A. degree.
2. Complete at least **120** semester credit hours for the B. A. degree. At least **30** of these must be completed at U. T. Permian Basin.
3. At least **48** 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 34 sch in Sociology of which 16 sch must include the following list of 5 required core courses. The remaining 6 courses must be selected from the list below that.

**CORE COURSES: 15 hours.**

- \_\_\_ SOCI 1301 Introduction to Sociology
- \_\_\_ SOCI 3317 Introduction to Statistics \*
- \_\_\_ SOCI 3327 Sociological Theory
- \_\_\_ SOCI 4403 Social Research Methods \*
- \_\_\_ SOCI 4399 Senior Research Seminar \*

**\*SOCI 3317; SOCI 4403; SOCI 4399 MUST BE TAKEN IN SEQUENCE SHOWN.**

**ADDITIONAL COURSES: 18 hours must be completed from the following courses.**

- \_\_\_ SOCI 3326 Modern Europe
- \_\_\_ SOCI 3347 Sociology of Work
- \_\_\_ SOCI 3348 Population Dynamics
- \_\_\_ SOCI 3365 Juvenile Delinquency and Justice
- \_\_\_ SOCI 3389 Multi Listing Course \_\_\_\_\_
- \_\_\_ SOCI 3390 The Family
- \_\_\_ SOCI 3391 Contract Study \_\_\_\_\_
- \_\_\_ SOCI 4305 Drugs and Behavior
- \_\_\_ SOCI 4315 Sociology of Organizations
- \_\_\_ SOCI 4316 Social Determinants of Energy Use
- \_\_\_ SOCI 4320 Social Stratification
- \_\_\_ SOCI 4324 Political Sociology
- \_\_\_ SOCI 4325 Globalization
- \_\_\_ SOCI 4362 Sociology of Health and Illness
- \_\_\_ SOCI 4389 Selected Topics \_\_\_\_\_
- \_\_\_ SOCI 4391 Contract Study
- \_\_\_ SOCI 4393 Internship in Applied Sociology
- \_\_\_ SOCI 4394 Independent Research in Sociology
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## SPANISH



**Rhina Toruño-Haensly, Ph.D.**  
**Professor & Graduate Head**

Dr. Toruño-Haensly is a Fellow in the Kathlyn Cospes Dunagan Professorship in Humanities since 2000. Professor Toruño-Haensly originally is from El Salvador and first came to the United States as a visiting scholar at Stanford University. She holds two Ph.D.s: one in Latin American Literature from Indiana University and the other in French Contemporary Philosophy from the Catholic University of Leuven, Belgium. She also earned an M.A. in Latin American Literature from the National University of France-Sorbonne and an M.A. in Philosophy from the Catholic University of Leuven. Dr. Toruño-Haensly was inducted as the first female member into The Salvadoran Academy of Language; this honor includes membership in the Royal Academy of the Spanish Language in Spain. Dr. Toruño-Haensly has published five books: a critical edition of *El silencio* by Juan Felipe Toruño (co-edited with Ardis L. Nelson; published by the Universidad Dr. José Matías Delgado, San Salvador, 2010); *A viva voz: Las escritoras y escritores latinos hablan de sus vidas y obras* [*In Their Own Voices: Latino Writers Talk About Their Lives and Works*] (published by Linus Publications, New York, 2009); *Juan Felipe Toruño en dos mundos: Análisis crítico de sus obras* [*Juan Felipe Toruño in Two Worlds; Critical Analysis of his Works*] (co-edited with Ardis L. Nelson; published by CBH Books, Cambridge Brick House, Boston, 2006); *Cita con la memoria; Elena Garro cuenta su vida a Rhina Toruño* [*Encounter With Memory; Elena Garro Recounts her Story Life to Rhina Toruño*] (published by Prueba de Galera, Buenos Aires, 2004); *Tiempo, destino y opresión en la obra de Elena Garro* [*Time, Destiny and Oppression in the Work of Elena Garro*] (second edition published by Universidad Tecnológica de El Salvador, 1998; first edition Publisher by Mellen University Press, New York, 1996). Dr. Toruño-Haensly's forthcoming bilingual book is *Crossing Cultures: Hispanic Authors and the Challenges They Overcame in the United States* (to be published by Peter Lang Publishing Group, New York, 2011). Dr. Toruño-Haensly also has published 37 refereed papers in scholarly journals on Latin American literature and French contemporary philosophy, including *Revista Iberoamerica*, *Chasqui*, and *Ventana Abierta*. She also serves on the board of directors for several academic journals. Dr. Toruño-Haensly has made over 100 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-Haensly has lectured in French, English, and Spanish in Europe, Canada, Mexico, United States, Latin America, and Japan. She is the founder, advisor, and president of the Spanish Literary Club (1996-present). Professor Toruño-Haensly teaches both undergraduate and graduate courses in such topics as contemporary Spanish-American, Mexican- American literature, literary criticism, and Hispanic children's literature. Her biography is included in the *Dictionary of American Scholars*, and she was nominated Woman of the Year 2000 by the American Biographical Institute Board of International Research.



**Ana E. León, Ph.D.**

**Professor of Spanish Linguistics and Hispano-American Dialectology.  
Area Coordinator of the Spanish Program.**

Dr. Ana E. León earned a Ph. D. in Iberromance Linguistics from the University of Texas at Austin; M.A. in Romance Linguistics from the University of Michigan; M.A. in Spanish Literature (Golden Age Literature) from the University of Michigan; B.A. in Linguistics and B.A. in Spanish Literature from the University of Michigan, Ann Arbor, Michigan. Research Interests: Diachronic and Synchronic Linguistics; Phonetics, History of the Spanish Language, Dialectology, Historical Sociolinguistics, Applied Linguistics; Spanish Peninsular Literature and Spanish Culture and Civilization. Language Proficiency: Spanish, English, Italian and Portuguese. Extensive knowledge of Latin and French. Professional International Membership: "Asociación de Historia de la Lengua Española", Madrid, España; The American Association of Teachers of Spanish and Portuguese, AATSP; Instituto Internacional de Literatura Iberoamericana, I.I.L.I.; Asociación de Lingüística y Filología de América Latina, A.L.F.A.L.; Asociación Internacional de Americanistas; Asociación Internacional de Hispanistas and Latin American Studies, LASA; Asociación Internacional de Hispanistas (AIH). Dr. León has published numerous articles in scholarly journals in Spanish Linguistics, Latin American and Peninsular Literatures, and also 95 international and national presentations. Dr. León has published *Extinción del 'vos' en el español peninsular* first edition published by Peter Lang Publishing.

Administered by the Department of *Literature and Languages* within the College of Arts and Sciences.

The Spanish major provides students with an opportunity to obtain the ability to communicate in Spanish and an understanding of the literatures and cultures of the Spanish-speaking world. Because it shares the Hispanic heritage of Texas and lies in close proximity to Latin American countries, U. T. Permian Basin offers the student of Spanish unique learning and cultural experiences as well as scores of career possibilities and opportunities. West Texas offers a living language and a cultural laboratory in which to study and work. The Spanish major can be elected by students wishing to pursue careers in business, education, science, social services, and translation.

### **Degree Requirements**

The minimum total credits required for a B. A. in Spanish is 120.

#### **General Education    44 Credits**

Complete the requirements shown in the General Education Requirements section on pages 51-52 of this catalog.

## **Computer Use**

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

## **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, 4360)
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, 4359, 4360, 4361, 4378, or 4389).

**Note:** 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 3311 will fulfill the requirements either for the Minor in Bilingual/English as a Second Language or as an elective (3 hrs) for the Major in Spanish, not for both.

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, SPAN 4331 and 4351.

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. Students electing to continue in literature will take two (2) additional courses to be chosen from: SPAN 4301, 4302, 4311, 4312, 4351, 4352, 4359, 4360, 4361, and 4378.

## **TExES Requirements**

Candidates for certification to teach Spanish must have completed the courses listed below (or equivalent courses). They must also pass the Languages Other Than English (LOTE) Spanish Exam.

Spanish: SPAN 3301, 3302, 3331, and 4331; SPAN 3321; either SPAN 4301 or 4302; either SPAN 4311, 4312, or 4351; 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 3300 Spanish for Business and Finance (3)**

To assist students to master technical and advanced lexicon of Spanish for Business and Finance. To give students some basic contrastive elements between English and Spanish business terminology. Prerequisites: High School AP Spanish or the equivalent of 8 credit hours: SPAN 1411 (4 hrs) or SPAN 1412 (4 hrs). 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. Prerequisites: 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

**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. F

**SPAN 3332 Spanish for Healthcare Professionals (3)**

This course teaches interpretation skills that will enable a medical professional to conduct a basic conversation with patients in Spanish. In particular, the course will cover common medical terminology in English and Spanish. Prerequisites: SPAN 1411 and 1412, or one year of Spanish in high school, or native proficiency in Spanish with instructor approval. S

**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.

**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 4359 Central American Literature (3)**

This course will explore Twentieth Century Central American Literature as part of the Latin American Literature. This course will be based on the critical reading and analysis of literary texts of various genres: poetry, essays, short stories, novels, testimonial narratives, and others.

**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 folktales from the oral tradition of Spain and Latin America. Prerequisite: proficiency in Spanish or instructor's approval. S

**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.

## 2011-2013 DEGREE PLAN: BA IN SPANISH

**General Education Requirements: (44 Credits)** Please refer to General Education section 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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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 48 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 above 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 3300 Spanish for Business and Finance (3sch)

\_\_\_ 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 3300 Spanish for Business and Finance (3)

\_\_\_ SPAN 3311 Practical Spanish and Translation (3)

\_\_\_ SPAN 4351 Mexican Literature (3)

\_\_\_ SPAN 4352 Mexican-American Literature (3)

\_\_\_ SPAN 4359 Central American Literature (3)

\_\_\_ SPAN 4360 Spanish Golden Age Literature (3)

\_\_\_ SPAN 4361 Cervantes' Don Quixote (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

### Literacy, Vocabulary and Study Skills

#### **LVSS 0191 Literacy for History (1)**

Literacy, vocabulary and study skills to help the student succeed in history courses. An overview of critical vocabulary development, note-taking skills, textbook study strategies and reading comprehension specific to the discipline of history.

#### **LVSS 0192 Literacy for Biology (1)**

Literacy, vocabulary and study skills to assist the student in improving success in biology courses. An overview of critical vocabulary development, note-taking skills, textbook study strategies and reading comprehension specific to the discipline of biology.

#### **LVSS 0193 Academic Vocabulary Development (1)**

Academic vocabulary development to assist the student in improving success in college courses. Vocabulary study skill development and acquisition of vocabulary needed for understanding and success in all college courses as well as within the academic culture. Study of roots, prefixes and suffixes that assist in the understanding of academic terminology seen in various disciplines throughout the college career.

#### **LVSS 0398 Fundamentals of Literacy I (3)**

This course focuses on developing students' abilities to read and write interactively, critically, and strategically to improve reading comprehension of narrative and content area text and to implement study strategies to improve performance in other courses.

#### **LVSS 0399 Fundamentals of Literacy II (3)**

This course focuses on developing students' abilities to read and write interactively, critically, and strategically to improve reading comprehension of narrative and content area text and to implement study strategies to improve performance in other courses.

### 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.



## 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.

## 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 2413. Corequisite: PHYS 2125. S

### **PHYS 2125 University Physics I Laboratory (1)\***

Experiments in Newtonian mechanics, fluid mechanics, and thermodynamics. Corequisite: PHYS 2325. S

### **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. F

### **PHYS 2126 University Physics II Laboratory (1)\***

Experiments in oscillatory motion, electricity, magnetism, nature of light, optics, and quantum theory. Corequisite: PHYS 2326. F

### **PHYS 2389 Special Topics (3)**

Monte Carlo Simulation in Nuclear Physics: Students will learn the general Monte Carlo physics simulation techniques applied in the Monte Carlo N-Particle simulation code (MCNP).

### **PHYS 3310 Introduction to Nuclear Physics (3)**

Basic concepts of quantum mechanics, nuclear properties, the forces between nucleons, radioactive decay, alpha, beta, gamma, and neutron radiation. The class will cover techniques for radiation detection and measurement, and radiation shielding. Applications to nuclear reactions, nuclear fission, nuclear fusion. Accelerators, nuclear astrophysics, and particle physics as time permits. Prerequisites: PHYS 2325 and PHYS 2326. F

## **Nursing**

### **Final Approvals Pending**

Dr. Dorothy Jackson, Director

The University of Texas of the Permian (UTPB) is developing a Bachelor of Science in Nursing degree (BSN) with fall 2012 as the planned starting date, pending final approval by the Texas Higher Education Coordinating Board (THECB) and the Texas Board of Nursing (BON). UTPB proposes a traditional nursing education program with two years of freshman and sophomore academic core general education courses and two years of junior and senior level nursing major classroom and clinical courses.

Pending approval by the BON and THECB, the pre-nursing students will be required to complete the following core courses prior to admission into the proposed nursing program in their junior year:

ENGL 1301 & 1302 – Freshman English I & II

HIST1301 & 1302 – US History I & II

PLSC2305 & 2306 – State & Federal Government

PSYC1301- Introduction to Psychology

MATH1314 – College Algebra

PSYC3301 - Statistics

BIOL 1306, 1106, 1307 & 1107 – General Biology I & II and labs

CHEM1301 & 1103 – Introduction to Chemistry & Lab

BIOL3350 & 3151- Human Anatomy & Lab

BIOL3352 & 3153 – Human Physiology & Lab

BIOL3300 & 3101 – Microbiology & Lab

Lifespan Growth & Development – 3 semester credit hours

Nutrition (Nurtition & Diet Therapy) – 3 semester credit hours

Creative Arts - 3 semester credit hours

Language; Philosophy; or Culture - 3 semester credit hours

The above program prerequisites are subject to change pending the approval by the Texas Board of Nursing and the Coordinating Board.

For more information contact the Nursing Director at 432.552.2560.

## SPECIAL POPULATIONS (Minor Only)

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.

Students choose from the following courses to complete their coursework.

CRIM 3365	Juvenile Delinquency & Justice
EDUC 3352	The Exceptional Child
EDUC 4310	Early Intervention
EDUC 4352	Collaborative Teaching and Inclusive Practices
EDUC 4353	Emotional and Behavioral Disorders
EDUC 4354	Learning Disabilities
EDUC 4355	Mental Retardation
EDUC 4356	Behavior Management
KINE 3310	Motor Development or
KINE 3330	Physical Activity for the Disabled
PSYC 3403	Principles of Learning
PSYC 4311	Cognitive Psychology
PSYC 4341	The Exceptional Child
PSYC 4371	Motivation
SOCI 3365	Juvenile Delinquency & Justice
SOCI 4320	Social Stratification

## **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.

Students choose from the following courses to complete their coursework.

	<b>ART</b>
ARTS 3301	Women Artists I
ARTS 3302	Women Artists II
	<b>BUSINESS</b>
MRKT 4322	Women in Business
	<b>ENGLISH</b>
ENGL 3332	Literature and Art
ENGL 3325	American Women Playwrights
ENGL 3335	American Women Novelists
ENGL 3352	Eighteenth-Century Women Poets
	<b>HISTORY</b>
HIST 4364	Mexican-American Women
HIST 4375	Women in Early America
HIST 4376	Women in Modern America
	<b>KINESIOLOGY</b>
KINE 4325	Women and Sport
	<b>LEADERSHIP STUDIES</b>
LEAD 4320	Women in Leadership
	<b>PSYCHOLOGY</b>
PSYC 4381	Gender Studies
	<b>SOCIOLOGY</b>
SOCI 1301	Introduction to Sociology
SOCI 3345	Race, Gender, Ethnicity and Social Change
SOCI 3390	The Family
SOCI 4317	Women's Studies
SOCI 4370	Family Dysfunction and Substance Abuse

## **SCHOOL OF BUSINESS**

**Dr. Jack D. Ladd, Esq. – Dean**

**Dr. Bill Price – Associate Dean**

**Dr. Barbara Scofield – Chair of Graduate Studies**

**Dr. Paul J. Haensly – Chair of Undergraduate Studies**

**Gayla Van Zandt, Coordinator of Business Studies**

For Information Contact (432) 552-2170 or go by MB 2202

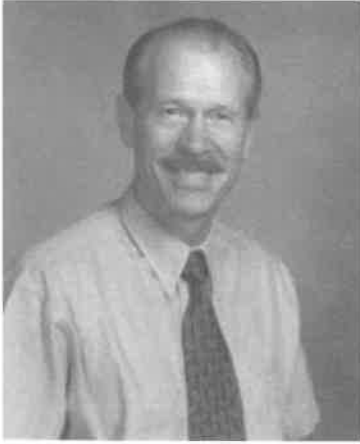


***Jack D. Ladd, Esq.***

*Dean, School of Business*

*Professor of Management*

Jack D. Ladd was named Dean of the School of Business beginning in July of 2007. Jack Ladd has a Doctor of Jurisprudence Degree from the University of Texas at Austin as well as a Bachelor of Business Administration from the University of Texas at Austin and is a member of Beta Gamma Sigma and Sigma Beta Delta. Dean Ladd became Director of the John Ben Shepperd Public Leadership Institute at the University of Texas of the Permian Basin in September 2004. Prior to coming to UTPB he practiced business law for 28 years. His law practice consisted of advising clients concerning business entities, corporate finance, including public offerings and private placements of securities as well as business transactional matters. Governor Perry appointed Jack Ladd to the Texas State Securities Board and subsequently Chairman of that board. He has also served on numerous state boards in Texas concerning education and education finance. He is a member of the board of directors of several business corporations. He has been a member of the faculty in the School of Business at UTPB teaching business law and small business management.



**Bill Price, D.B.A.**

*Associate Dean*

*Associate Professor of Management*

Dr. Bill Price received his doctorate in management from Nova Southeastern University. Previously, he taught at Howard Payne University as an Assistant Professor and at Hardin-Simmons University as an adjunct. He currently teaches a variety of business management courses – primarily in Human Resource Management and Strategy. For several years he has served as a board member for the Permian Basin Society for Human Resource Management (SHRM) and is certified as a Professional in Human Resources (PHR). Dr. Price has several years of experience in industry holding human resource management leadership positions. For several years, he also operated a real estate rental business. Prior to that, he completed a career in the Air Force where he served as a staff officer and flew bomber aircraft. Dr. Price has written several research articles in the areas of strategic management and human resources.



**Barbara Scofield, Ph. D.**

*Chair of Graduate Studies*

*Professor of Accountancy:* Dr. Barbara Scofield received her doctorate in accounting from The University of Texas at Austin and has been a Certified Public Accountant in Texas since 1999. Dr. Scofield is an Associate Editor for *Advances in Accounting Education* and the *Journal of Business and Leadership: Research, Practice, and Teaching*. She has published in the *Southwestern Business Administration Journal*, *Journal of Accounting Education*, *The Journal of Accounting and Finance Research*, *Southwest Business & Economics Journal*, *Journal of Business Administration Online*, *Critical Perspectives in Accounting*, *National Public Accountant*, *The Ohio CPA Journal*, and *Issues in Accounting Education*. In addition to teaching accounting and information systems at UTPB, Dr. Scofield has been an Associate Professor at the University of Dallas and Southeastern Louisiana University and has served as an Assistant Professor at the University of Kentucky and the University of Florida - Gainesville. Dr. Scofield is a member of the American Accounting Association, the Institute of Management Accountants, the Texas Society of CPAs, the Association of Certified Fraud Examiners, and the Academy of Accounting Historians.



**Paul J. Haensly, Ph. D.**

*Chair of Undergraduate Studies*

*Coordinator of Finance*

*Associate Professor of Finance*

Dr. Paul Haensly is a financial economist. 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 the *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 doctorate in finance from the University of North Texas. 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. 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.

## **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 high quality and 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 Beta Gamma Sigma, International Honor Society. A student must be in the top 10% of the junior, senior, or graduate classes to be eligible for induction. Eligible students are inducted into Beta Gamma Sigma in the spring of each academic year.

## **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.

## **Programs**

BBA	Accountancy
BBA	Finance
BBA	Management
BBA	Marketing
BA	Economics
BS	Industrial Technology
BAAS	Industrial Technology
BS	Mechanical Engineering
BS	Petroleum Engineering



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

### General Requirements

Degree and major	Minimum semester credit hours required	Minimum upper level credit hours required	Minimum upper level credit hours that must be taken at UTPB	Minor required
BBA (all majors)	120	48	30	No
BA (Economics)	120	48	30	Yes
BS (Industrial Technology)	120	54	30	No
BAAS (Industrial Technology)	120	42	30	Yes
BS (Mechanical Engineering)	126	54	30	No

To be eligible to receive a BBA in Accountancy, Finance, Management, or Marketing or a BA in Economics, at least 9 upper level semester credit hours of the required coursework in the major field must be successfully completed at The University of Texas of the Permian Basin. Required coursework in the major field includes specific required courses in the major field as well as electives required in the major field. The discipline coordinator must approve all upper level transfer hours in the major.

**The School does not award double majors.** Students desiring a double major should seek a second baccalaureate degree. Other general requirements depend on the degree and 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) or SPCH 1315 or SPCH 1321 (preferred), 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 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.

*A student must be accepted into a business major in order to graduate with a BBA.* The criteria for acceptance into a business major are described in more detail below.

### Grade Requirements

Students must earn a grade of "C" or better in all courses taught in the major for Accountancy, Finance, Management, Marketing, Economics, Industrial Technology, including the BAAS degree, and Mechanical Engineering.

The School of Business has additional grade policies that apply to the BBA degrees.

1. The School of Business requires a grade point average of 2.25 in the Lower Level Business Common Core Courses (or equivalent). The Lower Level Business Common Core consists of the following eleven courses: two courses in Mathematical Analysis (MATH 1324/1325 or MATH 2412/2413), two courses in English (ENGL 1301/1302), Speech (COMM 1315 or 1321), Computer Literacy (COSC 1335), two courses in Accounting (ACCT 2301/2302), one course in statistics (MNGT 2342), and two courses in Economics (ECON 2301/2302).

2. Students must achieve a minimum cumulative grade point average of 2.0 on all Upper Level Business Common Core and business elective courses to meet degree requirements.
3. Students must earn a grade of "C" or better in all upper level major coursework beyond the Upper Level Business Common Core but not including business elective courses. In addition, students majoring in Finance must earn a "C" or better in ECON 3322, FINA 3320, and any FINA course taken as an elective to meet degree requirements.

## General Prerequisites to Upper Division Business Courses

### Students Intending to Major in a Business Discipline

Students who seek full admission to the School of Business BBA program must fulfill certain requirements. 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 Level Business Common Core courses and have earned a GPA of 2.25 or better in the Lower Level Business Common Core. The Lower Level Business Common Core consists of the following eleven courses:

ENGL 1301, ENGL 1302, MATH 1324, MATH 1325, COMM 1315 or 1321, COSC 1335 (BCIS 1305 or 1405), MNGT 2342, ACCT 2301, ACCT 2302, ECON 2301, and ECON 2302.

Students who intend to major in a business field, but do not yet meet the criteria should choose Pre-Accountancy, Pre-Finance, Pre-Management, Pre-Marketing, or Pre-Business as their major. *Prior to the completion of 72 hours of course work that may count towards a business major*, the student must complete all of the courses listed above and submit an application for full admission to the School of Business. If a student has completed 72 hours of course work but 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*.

In addition to the above requirements for all business pre-majors, students who choose Pre-Business (Undeclared Business) as their major may not take upper level coursework beyond the Upper Level Business Common Core until they have been accepted for full admission to the School of Business.

### 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, Marketing or Entrepreneurship 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, 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

The business majors in the School of Business are Accountancy, Finance, Management, and Marketing. Upper division business courses are restricted to business majors and pre-majors, business minors, Information Technology (ITEC) majors and minors, Information Systems majors and minors, and students who meet the entrance requirements for being a business major or business minor. *Non-business majors, including business minors, may take no more than 25% of their undergraduate program in business*. This means, for example, that a student with a degree plan consisting of 120 credit hours may not take more than 30 credit hours of business courses (Accounting, Finance, Management and Marketing).

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

### General Education

41-47 Credits

Complete the requirements shown in the General Education Requirements section on pages 72--73 of this catalog using the following specified courses to meet the mathematics and social sciences requirements:

Mathematics	MATH 1324/1325 or MATH 2412/2413 *
Social Science	PSYC 1301 and/or SOCI 1301 depending upon the major selected **

- \* Specific course prerequisites result in a requirement of MATH 1324 (or equivalent) for the Finance, Management, Marketing, Entrepreneurship, and Business minors and MATH 1324 & 1325 (or equivalent) for Accountancy minors.
- \*\* Management and Marketing majors must take both PSYC 1301 and SOCI 1301. Accounting majors may choose one or the other. Finance majors are not required to take either. Instead, ECON 2301 or ECON 2302 satisfies the General Education Social Science requirement for a Finance major.)

### Lower Level Business Courses

ACCT 2301	Principles of Financial Accounting	3
ACCT 2302	Principles of Managerial Accounting	3
COSC 1335	Computers & Problem Solving	3
ECON 2301	Principles of Macroeconomics	3
ECON 2302	Principles of Microeconomics	3
MNGT 2342	Principles of Statistics	3

**18 Credits**

### Upper Level Business Common Core Courses

All candidates for BBA degrees must complete a basic business administration core of 27 credits. The basic business administration core provides students with a common body of knowledge in business administration. Students' programs include the following courses:

ACCT 3333	Information System Fundamentals	3
ECON 3xxx/ 4xxx	Approved Elective Course	3
FINA 3320	Principles of Finance	3
MNGT 3310	Management Concepts and Organizational Theory	3
MNGT 3311	Business Communications	3
MNGT 3324	Business and the Law	3
MNGT 3340	Production Operations Management	3
MNGT 4375	Strategic Management	3
MRKT 3300	Principles of Marketing	3

**27 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.

## Required Upper Level Courses Per Discipline

### **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 4323, FINA 4325, FINA 4327, FINA 4321 or FINA 4322, ACCT 3301 or ACCT 3310, ECON 3303 or ECON 4307, 3 hours of approved upper level accounting or economics electives, 6 hours of approved upper level finance electives, and 6 hours of approved electives. 33 Credits.

### **Required Courses beyond the Business Core for a BBA in Finance with an Accounting Concentration:**

FINA 4323, FINA 4325, FINA 4327, FINA 4321 or FINA 4322, ACCT 3301, ACCT 3302, ECON 3303 or ECON 4307, 6 hours of approved upper level accounting electives, and 6 hours of approved upper level finance electives. 33 Credits.

### **Required Courses beyond the Business Core for a BBA in Finance with an Economics Concentration:**

FINA 4323, FINA 4325, FINA 4327, FINA 4321 or FINA 4322, ACCT 3301 or ACCT 3310, 6 hours of economics tools courses (ECON 3303, ECON 4307 or ECON 4323), 3 hours of approved upper level economics electives, 6 hours of approved upper level finance electives, and 3 hours of approved electives. 33 Credits.

### **Required Courses beyond the Business Core for a BBA in Finance with a Financial Management Concentration:**

FINA 4323, FINA 4325, FINA 4327, FINA 4321 or FINA 4322, 3 hours of accounting tools courses (ACCT 3301, ACCT 3303 or ACCT 3310), 3 hours of economics tools courses (ECON 3303, ECON 4307, ECON 4323 or ECON 4325), MNGT 3312, MNGT 3330, 6 hours of approved upper level management or marketing electives, and 3 hours of approved upper level finance electives. 33 Credits.

### **Required Courses beyond the Business Core for a BBA in Finance with an Energy Finance Concentration:**

FINA 4320, FINA 4323, FINA 4325, FINA 4327, FINA 4321 or FINA 4322, 3 hours of accounting tools courses (ACCT 3301, ACCT 3303 or ACCT 3310), 3 hours of economics tools courses (ECON 3303, ECON 4307, ECON 4323 or ECON 4325), 9 hours of approved upper level energy related business electives, and 3 hours of approved electives. 33 Credits.

### **Required Courses beyond the Business Core for a BBA in Management:**

MNGT 3312, MNGT 3330, MNGT 3370, 9 hours of approved upper level management electives, and 9 hours of approved upper level business electives. 27 Credits.

### **Required Courses beyond the Business Core for a BBA in Management with an Entrepreneurship Management Concentration:**

MNGT 3312, MNGT 3330, MNGT 3370, 9 hours of approved upper level management electives, and 9 hours of approved upper level business electives (where 12 hours of the management and business electives are taken in approved entrepreneurship related business courses). 27 Credits.

### **Required Courses beyond the Business Core for a BBA in Management with an Energy Management Concentration:**

MNGT 3312, MNGT 3330, MNGT 3370, 9 hours of approved upper level management electives, and 9 hours of approved upper level business electives (where 12 hours of the management and business electives are taken in approved energy-related business courses). 27 Credits.

### **Required Courses beyond the Business Core for a BBA in Marketing:**

MRKT 3307, MRKT 3315, MRKT 4312, MRKT 4314, 6 hours of approved marketing electives, and 9 hours of approved business electives. 27 Credits.

## 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

ACCT 2301	Principles of Financial Accounting	3
ACCT 2302	Principles of Managerial Accounting	3
ECON 2301	Principles of Macroeconomics	3
ECON 2302	Principles of Microeconomics	3
MNGT 3310	Management Concepts and Organizational Theory	3
MRKT 3300	Principles of Marketing	3
At least 3 credit hours of upper level Business courses approved by the Coordinator of Business Studies		3
		<b>21 Credits</b>

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 (ECON 2301 & ECON 2302).

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 Chair of Graduate 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 2342 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, and Entrepreneurship. 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, even if these prerequisites cause the minor coursework to exceed the number of credit hours listed below. 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 2342 (or equivalent), FINA 3320, and 6 credit hours of approved upper level Finance courses. 18 Credits.

Economics majors selecting a Finance Minor must take ACCT 2301, FINA 3320, FINA 4323, FINA 4325, FINA 4327, and 3 credit hours of approved upper level Finance courses. 18 credits.

**Required Courses for Management Minor:**

MNGT 3310, MNGT 3311, MNGT 3312, MNGT 3330, MNGT 3370, and any 3 hours of approved upper division management courses except MNGT 4375. 18 Credits.

**Required Courses for Marketing Minor:**

MRKT 3300, MRKT 3315, MRKT 4314, and any 9 hours of approved upper division marketing courses. 18 Credits.

**Required Courses for Entrepreneurship Minor:**

ACCT 2301, ACCT 2302, ECON 2301, ECON 2302, MRKT 3304, MNGT 3318 and MNGT 4330. 21 Credits

# Specific Requirements for the BA Degree in Economics

## General Education

50 Credits

Complete the requirements shown in the General Education Requirements section on pages 72-73 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
		<b>6 Credits</b>

## Upper Level Courses

ECON 3303	Intermediate Microeconomics	3
ECON 4323	Intermediate Macroeconomics	3
MNGT 2342	Principles of Statistics	3
Approved ECON electives to total 12 credit hours		12
Approved electives to total 21 credit hours		21
		<b>42 Credits</b>

## Other Requirements

Additional courses are necessary to complete a minor and sufficient upper division electives to complete 48 upper division hours and 120 total hours.

## Specific Requirements for the BS Degree in Industrial Technology

### General Education

44 Credits

Complete the requirements shown in the General Education Requirements section on pages 72-73 of this catalog including the following specified courses:

Mathematics	MATH 1324 & 1325 or MATH 2412 & 1325 or MATH 2412 & 2413 or higher
Science	PHYS 1301 & 1101, and CHEM 1311 & 1111
Social Science	ECON 2301 or equivalent

### Lower Level Courses

17 Credits

ACCT 2301	Principles of Financial Accounting	3
COSC 1335	Computers & Problem Solving	3
ITEC 2200	Computer Aided Design	2
ITEC 2301	AC/DC Circuits	3
ECON 2302	Principles of Macroeconomics	3
MNGT 2342	Principles of Statistics	3

### Upper Level Industrial Technology Core Courses

18 Credits

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:

ITEC 3303	Production Planning and Control (MNGT 3340)	3
ITEC 3305	Safety, Health, and the Environment	3
ITEC 3380	Managing Technology (MNGT 3380)	3
ITEC 4380	Total Quality Management (MNGT 4380)	3
MNGT 3310	Management Concepts & Organization Theory	3
MNGT 3312	Human Resource Management	3

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

41 Credits

27 hours of approved industrial technology major elective courses.	27 Credits
Upper Level Free Electives (any discipline)	11 Credits
ITEC 4392 – Internship	3 Credits



## BAAS Industrial Technology Option

### Requirements for the BAAS Industrial Technology Option

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

### Specific Requirements for the BAAS Industrial Technology Option

#### General Education

**44 Credits**

Complete the requirements shown in the General Education Requirements section on pages 72-73 of this catalog.

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**

30 SCH – Technical Field of A.A.S.  
Degree

27 SCH – Upper-Division Courses

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 3380	Managing Technology	3
ITEC 4380	Total Quality Management	3
ITEC 3303	Production Planning and Control	3
ITEC 3305	Safety, Health, and the Environment	3
ITEC 3390	Technology and Society	3
ITEC 3310	Manufacturing Technology	3
ITEC 4275	Senior Seminar	2
ITEC 4304	Instruments and Controls	3
PTEC 3301	Petroleum Fundamentals	3
PTEC 3302	Petroleum Fluids and Natural Gas Technology	3
PTEC 3304	Drilling Technology	3
PTEC 4301	Petroleum Production Technology	3
PTEC 4302	Pipeline Technology	3
PTEC 4304	Wireline, Mud, and Core Analysis	3
PTEC 4305	Petroleum Reservoirs	3
PTEC 4389	Selected Topics	3
MNGT 3310	Management Concepts and Organization Theory	3
MNGT 3312	Human Resource Management	3
Upper Division Elective		3
Upper Division Elective		3

**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. Industrial Technology option students will be required to have a supervised internship (ITEC 4392).

**Other Requirements**

Additional courses are necessary to complete a minor and sufficient upper division electives to complete 54 upper division hours and 120 total hours. No more than 6 credit hours from the major may be used towards the minor. It is recommended that B.A.A.S students in the Industrial Technology option complete the minor in Management.

## **Specific Requirements for the BS Degree in Mechanical Engineering**

A minimum of 126 semester credit hours is required for the Bachelor of Science (BS) degree in Mechanical Engineering. This degree requires a minimum of 54 upper division hours. Because all students seeking a BS degree in Mechanical Engineering are required to take a cross-section of courses from a variety of engineering 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 in Mechanical Engineering.

**General Education****46 Credits**

Complete the requirements shown in the General Education Requirements section on pages 72-73 of this catalog including the following specified courses:

Mathematics, 8 credits, MATH 2413, 2414  
Science- PHYS 2325, 2125 and CHEM 1311, 1111

**Mechanical Engineering Lower Division****22 Credits****Required Courses**

MATH 3320 - Differential Equations  
MATH 2415 - Calculus III  
PHYS 2326 - University Physics II  
PHYS 2126 - University Physics II Lab  
ENGR 1204 - Engineering Graphics  
ENGR 2301 - Engineering Mechanics: Statics  
ENGR 2302 - Engineering Mechanics: Dynamics  
ENGR 2306 - Fundamentals of Circuit Analysis

**Mechanical Engineering Upper Division****52 Credits****Required Courses**

MATH 3310 - Linear Algebra  
BENG 3303 - Introduction to Material Science  
BENG 3326 - Engineering Economics  
BENG 3373 - Engineering Probability and Statistics  
BENG 3375 - Introduction to Thermodynamics  
MENG 3206 - Mechanical Engineering Laboratory I  
MENG 3324 - Manufacturing Processes  
MENG 3332 - Mechanics of Materials  
MENG 3348 - Computer-Aided Mechanical Engineering Design  
MENG 3351 - Heat Transfer  
MENG 3354 - Introduction of Fluid Mechanics  
MENG 3356 - Fluid Mechanics II  
MENG 3376 - Thermodynamics II

MENG 4195 – Professional Practice  
MENG 4205 – Heat Transfer and Fluid Mechanics Laboratory  
MENG 4206 – Mechanical Engineering Laboratory II  
MENG 4364 – Mechanical Design I  
MENG 4366 – Senior Design I  
MENG 4368 – Senior Design II

**Mechanical Engineering Upper Division**

**6 Credits**

**Elective Courses (choose two)**

MENG 4311 – Automatic Controls  
MENG 4312 – High Temperature Materials  
MENG 4315 – Welding Processes and Metallurgy  
MENG 4360 – Numerical Analysis  
MENG 4365 – Vibrations  
MENG 4370 – Mechanical Design II  
MENG 4372 – Thermo-Fluid Component and Systems Design

**Mechanical Engineering (Nuclear Track) Lower Division**

**22 Credits**

**Required Courses**

MATH 3320 – Differential Equations  
MATH 2415 – Calculus III  
PHYS 2326 – University Physics II  
PHYS 2126 – University Physics II Laboratory  
ENGR 1204 – Engineering Graphics  
ENGR 2301 – Engineering Mechanics: Statics  
ENGR 2302 – Engineering Mechanics: Dynamics  
ENGR 2306 – Fundamentals of Circuit Analysis

**Mechanical Engineering (Nuclear Track) Upper Division**

**58 Credits**

**Required Courses**

MENG 4368 – Senior Design II  
NENG 3301 – Introduction to Nuclear Power  
NENG 4211 – Nuclear Engineering Laboratory  
NENG 4311 – Radioactive Materials Processing and Waste Management  
NENG 4321 – Nuclear Reactor Engineering  
NENG 4331 – Radiation and Radiation Protection PHYS 3310 – Introduction to Nuclear Physics  
BENG 3303 – Introduction to Material Science  
BENG 3373 – Engineering Probability and Statistics  
BENG 3375 – Introduction to Thermodynamics  
MENG 3206 – Mechanical Engineering Laboratory I  
MENG 3332 – Mechanics of Materials  
MENG 3348 – Computer-Aided Mechanical Engineering Design  
MENG 3351 – Heat Transfer  
MENG 3354 – Introduction of Fluid Mechanics  
MENG 3356 – Fluid Mechanics II  
MENG 3376 – Thermodynamics II  
MENG 4195 – Professional Practice  
MENG 4205 – Heat Transfer and Fluid Mechanics Laboratory  
MENG 4364 – Mechanical Design I  
MENG 4366 – Senior Design I

## Accountancy



### **Shirley A. Davenport, Ph.D.**

#### **Associate Professor and Coordinator of Accountancy**

Dr. Shirley Davenport received a doctorate in accounting from Texas Tech University and is now associate professor of accountancy. She specialized in financial accounting in her master's and doctorate programs and teaches intermediate accounting and accounting information systems, as well as several other areas of accounting. She is a member of the American Accounting Association and the Texas Society of CPA's.

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 or a Master of Business Administration (MBA) degree. For more information on this degree, please refer to the appropriate section of the Graduate Catalog. BBA students should work closely with an academic advisor in preparing for the MPA or MBA degree in order to avoid additional courses. A Dual Degree Program leading to a concurrent BBA and 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 120.

#### **General Education**

**44 Credits**

Complete the requirements shown in the General Education Requirements section on pages 72-73 of this catalog using the following specified courses to meet the mathematics and social sciences requirements:

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 240 of this catalog.

### Upper Level Business Common Core Courses 27 Credits

Complete the requirements shown in the Upper Level Business Common Core Courses section on page 240 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
Additional elective credit to meet the requirement of 120 credit hours		1
		<b>31 Credits</b>

### 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
		<b>6 Credits</b>

#### Upper Level Courses

ACCT 3301	Intermediate Accounting I	3
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ACCT 3302	Intermediate Accounting II	3
ACCT 3303	Cost Accounting Principles	3
ACCT 3305	Federal Income Tax	3
		<b>12 Credits</b>

## 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 150 credit hours. Upon completion of the 150 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 with a grade of "C" or better 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 with a grade of "C" or better. 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: MATH 1325 or its equivalent ACCT 2301 and ACCT 2302 with a grade of "C" or better. 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. Prerequisite: ACCT 2301

### **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). Cross listed with MNGT 3333. FS

### **ACCT 3338 Information Systems 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 with the grade of "C" or better and concurrent enrollment or successful completion of 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 with the grade of "C" or better and concurrent enrollment or successful completion of 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: MNGT 3402 and the following courses with a grade of "C" or better: ACCT 3301, and either ACCT 3302 or ACCT 4311 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 3301 with the grade of "C" or better or ACCT 3310 with the grade of "C" or better.

**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. FS

**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 3301 or 3310, and FINA 3320.

**ACCT 4389 Selected Topics in Accounting (3)**

Undergraduate courses which will be offered only once or will be offered infrequently or which are being developed before a regular listing in the catalog. Prerequisite varies.

**ACCT 4391 Contract Study in Accounting (3)**

An individual independent study course or research project that addresses a topic not offered in the curriculum. Prerequisite varies.

**ACCT 4392 Internship (3)**

A supervised field 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 three additional hours of upper-level accounting; minimum GPA of 2.5 overall and 2.75 in the major and permission of academic advisor and faculty internship advisor.

**Suggested Courses by Semester: BBA in Accountancy**  
**Freshman Year**

Fall		Hours	Spring		Hours
ENGL	1301	3	ENGL	1302	3
MATH	1324	3	MATH	1325	3
COMM	1315	3	HIST	1302	3
HIST	1301	3	Visual/Performing Art		3
Lab Science		4	Lab Science		4
<b>Total Hours</b>		<b>16</b>			<b>16</b>

**Sophomore Year**

Fall		Hours	Spring		Hours
ACCT	2301	3	ACCT	2302	3
COSC	1335	3	ECON	2302	3
ECON	2301	3	PLSC	2306	3
PLSC	2305	3	English Literature		3
PSYC/SOCI	1301	3	MNGT	2342	3
<b>Total Hours</b>		<b>15</b>			<b>15</b>

**Junior Year**

Fall		Hours	Spring		Hours
ACCT	3301	3	ACCT	3302	3
ACCT	3303	3	ACCT	3305	3
ACCT	3333	3	MNGT	3311	3
FINA	3320	3	MNGT	3324	3
MNGT	3310	3	MRKT	3300	3
<b>Total Hours</b>		<b>15</b>			<b>15</b>

**Senior Year**

Fall		Hours	Spring		Hours
ACCT	4311	3	ACCT	4306	3
ECON	3xxx/4xxx	3	ACCT	3xxx/4xxx	3
MNGT	3340	3	Business	3xxx/4xxx	3
Business elective	3xxx / 4xxx	3	MNGT	4375	3
Business elective	3xxx/4xxx	3	Elective	Xxxx	1
<b>Total Hours</b>		<b>15</b>			<b>13</b>

## Economics



### **Scott A. Carson, Ph. D.**

#### **Professor of Economics**

**Dr. Carson** is a 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 is a Research Fellow at the University of Munich and teaches the summer microeconomics and econometrics courses at the University of California – Berkeley.

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.

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.

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 areas include forecasting, a skill enabling individuals, firms and governmental bodies to adjust to anticipated economic conditions.

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 72-73 of this catalog, including the following specified courses:

Mathematics	MATH 1324 & 1325 or MATH 2412 & 2413
Social Science	SOCI 1301 or 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 2342 and ECON 4307.

#### Lower Level Courses

ECON 2301	Principles of Macroeconomics	3
ECON 2302	Principles of Microeconomics	3
MNGT 2342	Principles of Statistics	3
		<b>9 Credits</b>

#### Upper Level Courses:

ECON 3303	Intermediate Microeconomics	3
ECON 4323	Intermediate Macroeconomics	3
Approved ECON electives to total 12 credit hours		12
Approved electives to total 21 Credit hours		21
		<b>39 Credits</b>

#### Other Requirements

Additional courses necessary to complete a minor and sufficient upper division electives to complete 48 upper division hours and 120 total hours

#### Economics Minor

ECON 2301	Principles of Macroeconomics	3
ECON 2302	Principles of Microeconomics	3
ECON 3303	Intermediate Microeconomics	3
ECON 4323	Intermediate Macroeconomics	3
Any additional approved Economics courses at the 3000 or 4000 level totaling 6 hours.		6
		<b>18 Credits</b>

## 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 multicollinearity, autocorrelation and generalized least squares. Prerequisites: MNGT 2342. 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 2342; 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. S

### **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. S

**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. F

**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: Twelve credit hours of ECON and minimum GPA of 2.5 overall and 2.75 in the major; and permission of academic advisor and faculty internship advisor.

† Course fulfills general education requirements.

## Finance



### **Prakash K. Pai, Ph. D.**

#### **Associate Professor of Finance**

**Dr. Prakash Pai** earned a doctorate in Finance from Kent State University. He also has an M.S. in Accounting and an M.B.A. from Kent State University and a Master of Commerce degree from Bangalore University in Bangalore, India. His professional certifications in banking include an International Banking Operations Certificate from The Chartered Institute of Bankers in London and a prestigious Diploma in International Banking from the Indian Institute of Bankers in Bombay where he was a commercial banker for many years. Dr. Pai's scholarly interests include derivatives trading and risk management at banks and other financial institutions. His teaching interests include financial markets and management of financial institutions. Dr. Pai was honored for his teaching with the School of Business Outstanding Teacher Award in 2008 and as well as the UTPB President's Teaching Award in 2009. He currently serves as the faculty advisor to the UTPB Finance Club. He is a member of the Financial Management Association, the American Finance Association, and the Chartered Institute of Bankers in London.

### **Shuming Bai, Ph. D.**

#### **Assistant Professor of Finance**

**Dr. Shuming Bai** earned a doctorate in Finance as well as an M.B.A. from The University of Texas – Pan American. Her scholarly interests include international finance, financial market integration and efficiency, exchange rate anomalies, and emerging markets. Dr. Bai's work has been published in the *International Journal of Sustainable Economy*, *International Journal of Electronic Finance*, *International Journal of Mobile Communications*, *International Journal of Services and Standards*, and *The Journal of Current Research in Global Business*. Dr. Bai was honored for her scholarly work with the School of Business Outstanding Researcher Award in 2010. In addition to teaching Principles of Finance, Corporate Financial Management, and International Finance at UTPB, Dr. Bai recently developed a new course in Energy Finance to meet the needs of financial professionals in the Permian Basin energy industry. She also is a reviewer for the *International Journal of Services and Standards* and the *International Journal of Electronic Finance* and a member of the Financial Management Association and Southwestern Finance Association.

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 **120**.

#### **General Education 41 Credits**

Complete the requirements shown in the **General Education Requirements** section on pages 71-72 of this catalog, including the following courses:

Mathematics                      MATH 1324 & 1325 or Math 2412 & 2413\*

Finance majors are required to take ECON 2301, a lower level business course, to satisfy the social science requirement.

*\*Given the quantitative nature of finance, we recommend that you take MATH 2412 and MATH 2413 if possible.*

#### **Computer Use**

Finance majors obtain skills in using computers in problem-solving in COSC 1335, a required lower-division course. ACCT 3333, a required core business course, includes further development of these skills and their application in a business context.

#### **Lower Level Business Courses 18 Credits**

Complete the 18 credit hour requirements shown in the Lower Level Business Courses section on page 63 of this catalog.

#### **Upper Level Business Common Core Courses 27 Credits**

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 ECON 3322 – Money and Banking for their upper level economics elective in the Upper Level Business Common Core, which includes a total of 27 student credit hours.

**All finance majors are required to take the following upper level finance courses:**

FINA 4320	International Finance	3
FINA 4323	Financial Markets, Institutions & Instruments	3
FINA 4325	Options & Futures	3
FINA 4427	Portfolio Theory & Management	4
Senior Level Elective in Financial Management (FINA 4321 or FINA 4322)		3
		<b>16 Credits</b>



The additional coursework depends on whether the finance major selects a concentration or pursues a general degree in finance. A major in finance may select one of the following concentrations: Finance with an Accounting Concentration, Finance with an Economics Concentration, a Financial Management Concentration, or an Energy Finance Concentration.

A finance major who pursues a **general degree in finance** is required to compete the following course work:

Approved Accounting Tools (ACCT 3301 or 3310)	3
Approved Economics Tools (ECON 3303 or 4307)	3
Approved Upper Level Finance Electives	6
Approved School of Business Electives	6
	<b>18 Credits</b>

A finance major may satisfy a School of Business elective with any course offered by the School of Business that is not being applied to meet another requirement in this degree plan. A student may submit an Undergraduate Academic Petition to request that an elective course from outside the School be substituted for a School of Business elective.

### Accounting Concentration

A finance major who pursues an **Accounting Concentration** is required to compete the following coursework:

ACCT 3301	Intermediate Accounting I	3
ACCT 3302	Intermediate Accounting II	3
Approved Upper Level Accounting Electives (not including 3310 or 4392)		6
Approved Upper Level Finance Electives		6
		<b>18 Credits</b>

This concentration in Accounting would meet the professional requirements of many jobs in finance that require a strong accounting background, including credit analysts and loan officers in commercial banking, securities analysts in the brokerage industry, and controllers at corporations. For finance majors in this concentration, we encourage you to select your electives to support your professional objectives. For example, a financial manager might benefit most from ACCT 3303 (Cost Accounting Principles) and ACCT 3338 (Information Systems Applications), while a securities analyst might benefit most from ACCT 4340 (Financial Statement Analysis), ACCT 3305 (Federal Income Tax), FINA 4340 (Financial Securities Analysis), and FINA 4320 (International Finance).

### Economics Concentration

A finance major who pursues an **Economics Concentration** is required to compete the following coursework:

ECON 3303	Intermediate Microeconomics	3
ECON 4323	Intermediate Macroeconomics	3
Approved Upper Level Economics Electives (not including 4392) that are not being applied to meet another requirement.		6
Approved Upper Level Finance Electives		6
		<b>18 Credits</b>

The concentration in Economics would meet the professional requirements of many jobs in finance that require a strong economics background, including securities analysts in the brokerage industry and financial planners.

In addition, a finance major who wishes to pursue an advanced degree in finance will find that a strong economics background is beneficial.

### Financial Management Concentration

A finance major who pursues a **Financial Management Concentration** is required to complete the following coursework:

Approved Accounting Tools (ACCT 3301, 3303 or 3310)	3
Approved Upper Level Finance Elective	3
MNGT 3312            Human Resources Management	3
MNGT 3330            Organizational Behavior	3
Approved Managerial Electives: Upper Level MNGT or MRKT courses that are not being applied to meet another requirement in this degree plan. Information systems courses such as ACCT 3338 or ACCT 4311 may also be selected for these electives.	6

**18 Credits**

The concentration in Financial Management would meet the professional requirements of many jobs in finance that require a strong managerial background, for example, managerial positions at a bank or credit union or a manager who supervises financial professionals. We encourage you to select managerial tools electives that are most likely to help you build your career.

### Energy Finance Concentration

A finance major who pursues an **Energy Finance Concentration** is required to complete the following coursework:

Approved Accounting Tools (ACCT 3301, 3303 or 3310)	3
Approved Economics Tools (ECON 3303, 4307, 4323 or 4325)	3
FINA 4331            Energy Finance	3
Approved Upper Level Energy-related Courses offered by the School of Business	9

**18 Credits**

The concentration in Energy Finance would meet the professional requirements of financial managers in the energy industry. The School currently offers the following energy-related courses: ACCT 4310 (Oil and Gas Accounting), MNGT 3309 (Energy Management), MNGT 4324 (Energy Law), MNGT 4310 (Management of Hydrocarbon-based Energy Enterprises), and a variety of Petroleum Technology (PTEC) courses.

### Grade Requirements for All Finance Majors

In addition to the grade requirements that all business majors must satisfy, a student who is majoring in finance is required to earn a grade of "C" or better in the following courses: ECON 3322 (Money and Banking); all upper level finance courses taken to satisfy the degree requirements, including FINA 3320 (Principles of Finance); all upper level courses taken to satisfy the degree requirements, including accounting, economics, management, marketing, and petroleum technology courses taken to satisfy the requirements of a concentration in finance. These requirements apply regardless of how these courses are labeled on the degree plan, including coursework labeled as "elective."

## Finance Minor

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

All majors outside the School of Business must satisfy the following requirements to earn a minor in Finance.

### Lower Level Courses

ACCT 2301	Principles of Financial Accounting	3
ECON 2302	Principles of Microeconomics	3
MNGT 2342	Principles of Statistics	3
		<b>9 Credits</b>

### Upper Level Courses

FINA 3320	Principles of Finance	3
Additional Approved Upper Level Finance Electives		6
		9 Credits
<b>Total</b>		<b>18 Credits</b>

Economics majors must satisfy the following requirements to earn a minor in Finance.

### Lower Level Courses

ACCT 2301	Principles of Financial Accounting	3
		<b>3 Credits</b>

### Upper Level Finance Courses

FINA 3320	Principles of Finance	3
FINA 4323	Financial Markets, Institutions & Instruments	3
FINA 4325	Options & Futures	3
FINA 4327	Portfolio Theory & Management	3
Additional Approved Upper Level Finance Elective		3
		15 Credits
<b>Total</b>		<b>18 credits</b>

## 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 2342.

### **FINA 4320 International Finance (3)**

The application of finance principles in financial management of international corporations, including analysis of the financing of investment abroad and the management of assets in global financial environments. The course also covers currency exchange mechanisms in theory and practice, including international monetary systems; and currency risk management, including interest rate and currency derivatives. Prerequisite: FINA 3320 with a grade of "C" or better.

### **FINA 4321 Corporate Financial Management (3)**

Foundational concepts of modern financial management 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. Related topics include leverage, capital structure, and financial distress; dividend policy; methods for raising capital; and corporate control and governance. Prerequisite: FINA 3320 with a grade of "C" or better.

### **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 with a grade of "C" or better 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 with a grade of "C" or better.

### **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 with a grade of "C" or better.

### **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 with a grade of "C" or better.

### **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. Related topics may include investment companies, portfolio management, and performance evaluation. Prerequisite: FINA 3320 with a grade of "C" or better.

**FINA 4331 Energy Finance (3)**

Study of financing decisions in the energy industry. Introduction to financial principles, energy financing strategies, and financial statement analysis of energy firms and the energy industry. Topics include risk management and the finance of energy trading. Prerequisite: FINA 3320 with a grade of "C" or better.

**FINA 4340 Financial Securities Analysis (3)**

This course provides a comprehensive framework to understand and practice fundamental analysis applied to stocks, bonds, and other fixed-income securities. Develop equity and fixed-income valuation models to analyze a firm's securities for investment purposes. Conduct financial statement analysis: ratio and trend analysis to evaluate a company's financial position through time, among its domestic and international industry competitors, where accounting recognition and disclosure requirements are used to interpret publicly available information. Apply valuation models using data collected from financial statement analysis, as well as relevant macroeconomic information, to make investment and lending decisions. Topics may include technical analysis and fixed-income research. Prerequisites: ACCT 2301 and FINA 3320, with a grade of "C" or better in both courses.

**FINA 4427 Portfolio Theory & Management (4)**

Comprehensive investigation of modern portfolio theory. Unifying theme: optimization of the trade-off between risk and return. Examination of asset pricing models, the efficient market hypothesis, behavioral finance, and security analysis within this framework. Portfolio management topics may include performance evaluation, globalization, and effect of taxes and inflation on investment strategy. Prerequisites: MATH 1325 or equivalent, and FINA 3320 with a grade of "C" or better.

**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, FINA 4323, FINA 4327, and either FINA 4321 or FINA 4322; minimum GPA of 2.5 overall and 2.75 in the major; and permission of academic advisor and faculty internship advisor

## Management



### **Joe Stauffer, Ph.D.**

#### **Assistant Professor and Coordinator of Management**

Dr. Stauffer received a Ph.D. in management from the University of Oklahoma. He has an undergraduate degree in production/operations management and an M.B.A from Western Illinois University. He holds an M.A. in human resource management/industrial relations from the University of Iowa, where he also studied applied statistics and measurement at the Lindquist Center. His specialty is in employment testing and personnel selection. He has published in such journals as *Psychometrika*, the *Journal of Applied Psychology*, *Psychological Methods*, and *Educational and Psychological Measurement*.

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 in Management is **120**.

#### **General Education 47 Credits**

Complete the requirements shown in the General Education Requirements section on pages 72-73 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 266 of this catalog.

**Upper Level Business Common Core Courses** **27 Credits**

Complete the requirements shown in the Business Common Course Requirements section on page 266 of the catalog.

**Other Required Upper Level Courses**

MNGT 3312	Human Resource Management	3
MNGT 3330	Organizational Behavior	3
MNGT 3370	Business and Ethics	3
Approved MNGT electives totaling 9 credit hours		9
Approved Business electives totaling 9 credit hours		9
		<b>27 Credits</b>

**Management Minor**

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

**Required Courses for Management Minor**

MNGT 3310	Management Concepts and Organizational Theory	3
MNGT 3311	Business Communications	3
MNGT 3312	Human Resource Management	3
MNGT 3370	Business and Ethics	3
MNGT 3330	Organizational Behavior	3
3 additional approved hours of MNGT other than MNGT 4375		3
		<b>18 credits</b>

**Energy Management Concentration**

An **Energy Management** concentration would meet the professional requirements of managers in the energy field. The student should include a minimum of four energy related elective courses as part of the management and business electives.

**Energy Related Business Electives**

- ACCT 4310 Oil and Gas Accounting
- FINA 4331 Energy Finance
- MNGT 3309 Energy Management
- MNGT 4310 Management of Hydrocarbon-based Energy Enterprises
- MNGT 4324 Energy Law
- MNGT/MRKT/FINA/ACCT 4389 Selected Topics (energy related & as approved)
- MNGT 4392 Internship (energy related)

## **Entrepreneurship Management Concentration**

An **Entrepreneurship Management** concentration would meet the professional requirements of managers focusing on Entrepreneurship. The student should include a minimum of four entrepreneurship related elective courses as part of the management and business electives.

### **Entrepreneurship Related Business Electives**

MNGT 3318 Small Business Management  
MNGT 4330 Entrepreneurial Leadership  
MNGT 4360 Small Business Consulting  
MRKT 3304 Small Business Marketing  
MNGT/MRKT/FINA/ACCT 4389 Selected Topics (entrepreneurship related & as approved)

### **Additional Requirements for All Management Majors**

All management majors must earn sufficient course credit to meet the requirement of a minimum of 120 semester credit hours.

### **Course Listing**

#### **MNGT 2342 Principles of Statistics (3)**

The course is an introduction to the principles of statistics and their application to problems in business and economics. Topics include the basics of probability theory, descriptive statistics, sampling methods, statistical estimation, hypothesis testing, and time series analysis. Prerequisites: MATH 1324 and COSC 1335. FS

#### **MNGT 3309 Energy Management (3)**

Exploration of basic issues in energy management with some focus on marketing, finance, human resources, and accounting issues in energy businesses. The course also provides basic insights into the history of the energy industry and strategic thrust areas for future growth. Prerequisites: junior standing.

#### **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 2342. Cross-listed with ITEC 3303. FS

**MNGT 3370 Business and Ethics (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 338

**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 hydro-carbon-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.

**MNGT 4324 Energy Law (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, particularly oil, gas, and wind. 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 4335 Family Business Strategies (3)**

Family Business Strategies is directed to (1) students who will enter into the management of a family business, either their family's or someone else's, and (2) students who will do business with family firms in some capacity i.e., consult to them, work with them in private wealth management, mergers, and acquisitions, banking, outsourcing, etc. Prerequisite: minimum of junior standing.

**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 Negotiation (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. Students will identify underlying issues giving rise to conflict and how to resolve them 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 the course will be to address issues 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 on environmental analysis, the formulation and implementation of strategic decisions within the organization are addressed. Emphasis is placed on integration of decisions at the functional areas. A supplemental fee is required for this course. Prerequisites: taken during last 12 hours of the BBA program and must have completed all business core courses except ACCT/MNGT 3333 and the Economics Elective.

**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, and 9 additional hours of upper-level management; minimum GPA of 2.5 overall and 2.75 in major; and permission of academic advisor and faculty internship advisor.

## Suggested Courses By Semester: BBA in Management

### Freshman Year

Fall		Hours	Spring		Hours
ENGL	1301	3	ENGL	1302	3
MATH	1324	3	MATH	1325	3
COMM	1315	3	HIST	1302	3
HIST	1301	3	Visual/Performing Art		3
Lab Science		4	Lab Science		4
<b>Total Hours</b>		<b>16</b>			<b>16</b>

### Sophomore Year

Fall		Hours	Spring		Hours
ACCT	2301	3	ACCT	2302	3
COSC	1335	3	ECON	2302	3
ECON	2301	3	PLSC	2306	3
PLSC	2305	3	MNGT	2342	3
PSYC	1301	3	SOCI	1301	3
<b>Total Hours</b>		<b>15</b>			<b>15</b>

### Junior Year

Fall		Hours	Spring		Hours
MNGT	3311	3	ACCT	3333	3
MNGT	3310	3	MNGT Elective		3
MRKT	3300	3	MNGT	3312	3
English Literature		3	MNGT	3340	3
FINA	3320	3	MNGT	3324	3
<b>Total Hours</b>		<b>15</b>			<b>15</b>

### Senior Year

Fall		Hours	Spring		Hours
MNGT	3330	3	MNGT	4375	3
MNGT Elective		3	Business Elective		3
MNGT	3370	3	Business Elective		3
MNGT Elective		3	Business Elective		3
ECON Elective		3	Elective		1
<b>Total Hours</b>		<b>15</b>			<b>13</b>

## Marketing



### **Anshu Saran, Ph.D.**

#### **Assistant Professor and Coordinator of Marketing**

Dr. Anshu Saran earned his doctorate in International Business and Marketing from The University of Texas – Pan American. He joined academia after working in the corporate sector for 12 years. Dr. Saran teaches Marketing Research, Marketing Management at the undergraduate level, and Business Research Methods at the graduate level. He has published several papers in international journals such as *Business Horizons*, *Journal of Marketing for Higher Education*, and *International Journal of Electronic Marketing and Retailing*. His main research interests are international consumer behavior, marketing strategy, and scale development.

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 in Marketing is 120.

#### **General Education 47 Credits**

Complete the requirements shown in the General Education Requirements section on pages 72-73 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 63 of this catalog.

## **Upper Level Business Common Core Courses 27 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**

MRKT 3307	Sales Management	3
MRKT 3315	Consumer Behavior	3
MRKT 4312	Marketing Management	3
MRKT 4314	Marketing Research and Information Systems	3
	Approved MRKT electives totaling 6 hours	6
	Approved Business electives totaling 9 hours	9

**27 Credits**

## **Additional Requirements for All Marketing Majors**

All marketing majors must earn sufficient course credit to meet the requirement of a minimum of 120 semester credit hours.

### **Marketing Minor**

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

#### **Required Courses for Marketing Minor**

MRKT 3300	Principles of Marketing	3
MRKT 3315	Consumer Behavior	3
MRKT 4314	Marketing Research and Information Systems	3
	An additional 9 credit hours from upper-level MRKT electives.	9

**18 Credits**

Prerequisites for the minor are ECON 2301, ECON 2302, and MNGT 3402 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 promotion function as it relates to the marketing mix; also, stress is placed upon professional selling techniques.

**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 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 4307 Professional Selling (3)**

This course will be an intensive study of marketing through personal selling. Students will learn selling tactics and presentation skills. The course will emphasize the development of professional skills. Prerequisite: MRKT 3300.

**MRKT 4312 Marketing Management (3)**

Emphasis on marketing strategy and tactics using case studies of corporate successes and failures. Prerequisites: 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 2342.

**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.

**MRKT 4322 Social Media Marketing (3)**

This course will be an in-depth study of the social media as marketing tools. It will provide students with a basic understanding of social media networking and its marketing applications. The course will address the needs of the new age economy. Prerequisite: MRKT 3300.

**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 and 9 additional hours of upper-level marketing; minimum GPA of 2.5 overall and 2.75 in the major; and permission of academic advisor and faculty internship advisor.



## Degree Plan: BBA in Marketing

### Freshman Year

Fall		Hours	Spring		Hours
ENGL	1301	3	ENGL	1302	3
MATH	1324	3	MATH	1325	3
COMM	1315	3	HIST	1302	3
HIST	1301	3	Visual/Performing Art		3
Lab Science		4	Lab Science		4
<b>Total Hours</b>		<b>16</b>			<b>16</b>

### Sophomore Year

Fall		Hours	Spring		Hours
ACCT	2301	3	ACCT	2302	3
COSC	1335	3	ECON	2302	3
ECON	2301	3	PLSC	2306	3
PLSC	2305	3	MNGT	2342	3
PSYC	1301	3	SOCI	1301	3
<b>Total Hours</b>		<b>15</b>			<b>15</b>

### Junior Year

Fall		Hours	Spring		Hours
MNGT	3310	3	ACCT	3333	3
MNGT	3311	3	MRKT	3307	3
MRKT	3300	3	MRKT	Elective	3
English Literature		3	MNGT	3340	3
FINA	3320	3	MNGT	3324	3
<b>Total Hours</b>		<b>15</b>			<b>15</b>

### Senior Year

Fall		Hours	Spring		Hours
MRKT	4312	3	MRKT	4314	3
MRKT	3315	3	MRKT Elective		3
ECON Elective		3	Business Elective		3
Business Elective		3	MNGT	4375	3

## **Business** *(Minor Only)*

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

### **Required Courses for a General Business Minor**

ACCT 2301	Principles of Financial Accounting	3
ACCT 2302	Principles of Managerial Accounting	3
ECON 2301	Principles of Macroeconomics	3
ECON 2302	Principles of Microeconomics	3
MNGT 3310	Management Concepts and Organizational Theory	3
MRKT 3300	Principles of Marketing	3
At least 3 credit hours of upper level Business courses approved by the Coordinator of 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 a MBA degree should choose a management elective (course prefix MNGT) to meet the criteria to waive ACCT 6301, ECON 6301 and MNGT 6360 in the UTPB MBA program, reducing the MBA program requirements from 48 to 39 credit hours. The Graduate Catalog or Coordinator of Graduate Business Studies should be consulted for additional information about preparation for the MBA degree.

Students who are seeking a teaching field in Business Administration must choose both MNGT 3324 and either FINA 3320 or ECON 3322 and must complete MNGT 2342 and COSC 1335 (BCIS 1305 or 1405). The Certification Officer should be consulted for additional information about preparation for teaching business administration.

## 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 a Entrepreneurship minor

ACCT 2301	Principles of Financial Accounting	3
ACCT 2302	Principles of Managerial Accounting	3
ECON 2301	Principles of Macroeconomics	3
ECON 2302	Principles of Microeconomics	3
MRKT 3304	Small Business Marketing	3
MNGT 3318	Small Business Management	3
MNGT 4330	Entrepreneurial Leadership	3
		<b>21 Credits</b>

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

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

## Industrial Technology



**Raj Desai, D.I.T., C.S.T.M.**

**Associate Professor and Chair, Department of Engineering & Technology**

Dr. Desai is the chair and founding faculty member of the Bachelor of Science in Industrial Technology Program in the School of Business. Dr. Desai received his doctorate degree in Industrial Technology from the University of Northern Iowa. He has a wide range of teaching experience at community colleges and universities accredited by the Association of Technology, Management, and Applied Engineering (ATMAE). He has several years of industry experience in the areas of maintenance and management. His research interests are in the areas of administration, innovation, and applied technology. He has several journal articles published in national and international journals.

Administered by the Department of Engineering and Technology in 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. Graduates of the program will be equipped 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 120.

#### 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 1324, 1325 or higher. Students should meet the science requirement with physics and chemistry (PHYS 1301, 1101 and CHEM 1311, 1111 or equivalent).

They must include the following courses:

English Composition, 6 credits, ENGL 1301, 1302

Literature, 3 credits, ENGL 2322, 2323, 2327, or 2328

U.S. History, 6 credits, HIST 1301, 1302  
U.S. and State Government, 6 credits, PLSC 2305, 2306  
Lab Sciences, 8 credits, PHYS 1301, 1101, and CHEM 1311, 1111 or equivalent  
Mathematics, 6 credits, MATH 1324, 1325 or MATH 2412, 1325 or MATH 2412, 2413 or higher  
Oral Communication, 3 credits  
Visual and Performing Arts, 3 credits  
Social Sciences, 3 credits, ECON 2301

**Computer Use:**

Industrial Technology Majors obtain skills in using computers in problem solving in COSC 1335, a required lower division course. ITEC 2200 will develop skills in computer aided design.

**Required Courses**

**17 credits**

ACCT 2301 - Principles of Financial Accounting  
COSC 1335 - Computers and Problem Solving  
ITEC 2200 - Computer Aided Design  
ITEC 2301 - AC/DC Circuits  
ECON 2302 - Principles of Microeconomics  
MNGT 2342 - Principles of Statistics

**Industrial Technology Major Upper Division Required Courses**

**18 credits**

ITEC 3303 - Production Planning and Control (MNGT 3340)  
ITEC 3305 - Safety, Health, and the Environment  
ITEC 3380 - Managing Technology (MNGT 3380)  
ITEC 4380 - Total Quality Management (MNGT 4380)  
MNGT 3310 - Management Concepts and Organizational Theory  
MNGT 3312 - Human Resource Management

**Industrial Technology Major Elective Courses**

**27 credits**

Choose 9 courses from the following three areas:

**Industrial Technology**

ITEC 3310 - Manufacturing Technology  
ITEC 3390 - Technology and Society  
ITEC 4302 - Innovation  
ITEC 4304 - Programmable Logic Controllers  
ITEC 4305 - Industrial Ergonomics  
ITEC 4391 - Contract Study in Industrial Technology  
ITEC 4175 - Senior Seminar

**Petroleum Technology**

PTEC 3301 - Petroleum Fundamentals  
PTEC 3302 - Petroleum Fluids and Natural Gas Technology  
PTEC 3304 - Drilling Technology  
PTEC 4301 - Petroleum Production Technology  
PTEC 4302 - Pipeline Technology  
PTEC 4304 - Wireline, Mud Logging and Core Analysis  
PTEC 4305 - Petroleum Reservoirs  
PTEC 4389 - Selected Topics

## **Environmental Science**

ENSC 3301 – Environmental Science  
ENSC 3302 – Environmental Science  
ENSC 3310 – Water Quality  
ENSC 3315 – Air Quality  
ENSC 3320 – Environmental Law  
ENSC 4329 - GIS Applications  
ENSC 4360 – Advanced Environmental Science Topics

**Free Upper Level Electives** **11 credits**

**Capstone Industrial Technology** **3 credits**

ITEC 4392 – Internship

**TOTAL CREDITS** **120 credits**

## **Course Listing**

### **ITEC 2200—Computer Aided Design (1-3)**

Provides an understanding of Computer-Aided Drafting principles and practice. Students will utilize the software command structure of a popular CAD program.

### **ITEC 2301—AC/DC Circuits (2-3)**

Principles of electrical circuits, generator, and motors. Introduction to electronics and introduction to microprocessors for data acquisition. Prerequisite: MATH 1324 or equivalent or consent of instructor.

### **ITEC 3303—Production Planning and Control (3-0)**

Study of production planning and control, inventory control, and project management. Prerequisite MNGT 2342. Crosslisted with MNGT 3340.

### **ITEC 3305—Safety, Health, and the Environment (3-0)**

This course is a study of the problems involved in developing an integrative safety, health and environmental program for an industrial or commercial establishment. It involves safety, health, and environmental 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—Manufacturing Technology (2-2)**

Survey of manufacturing processes for metals and polymers. Casting, deformation, sheet metal, machining, and polymer processing.

### **ITEC 3380—Managing Technology (3-0)**

Study of leadership, management, and technology in industry and society. Implications of technology and technological change on business. Crosslisted with MNGT 3380.

### **ITEC 3390—Technology and Society (3-0)**

The impact of technology on individuals and society through critical analysis of selected modern topics using the methods of science and technology. Prerequisite: COSC 1335 or equivalent, or consent of the instructor.

### **ITEC 4175—Senior Seminar (1-0)**

Opportunities for development and implementation of knowledge from multiple courses. Corequisite: completion of the industrial technology upper division required courses or equivalent or consent of instructor.

### **ITEC 4302—Innovation (3)**

This course is aimed at preparing students for careers in industry. A team of students will identify and develop solutions to practical problems or market needs. Students will develop creative problem solving abilities and other skills necessary for

invention, innovation, and entrepreneurship. Prerequisite: senior standing and COSC 1335 or equivalent, or consent of instructor.

**ITEC 4304—Programmable Logic Controllers (2-2)**

The study of programmable logic control systems and implementation within an industrial setting. Prerequisite: ITEC 2301 or equivalent or consent of instructor.

**ITEC 4305—Industrial Ergonomics (3-0)**

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. Prerequisite: ITEC 3305.

**ITEC 4380—Total Quality Management (3-0)**

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

**ITEC 4391—Contract Study in Industrial Technology (3)**

This is an individual independent study course or research project. Prerequisites vary.

**ITEC 4392—Internship (3)**

Field learning experience in industry consisting of a minimum of 150 hours for 3 credit hours. For Industrial Technology majors only. Prerequisites: Senior standing or permission of instructor.

**PTEC 3301—Petroleum Fundamentals (3-0)**

An introduction to petroleum industry technology, equipment usage, and operating procedures.

**PTEC 3302 — Petroleum Fluids and Natural Gas Technology (2-2)**

Study of the basics of physical and chemical makeup of hydrocarbon mixtures, how the mixtures are affected by temperature and pressure, and the techniques for accurate measurement of petroleum products (based on API Petroleum Measurement Standards). Math 1324 or equivalent or consent of instructor.

**PTEC 3304—Drilling Technology (2-2)**

An introduction to the drilling process, including drilling rigs, bits, drilling mud, air and gas drilling, casing and tubing, cementing and well control. Prerequisites: Math 1324 or equivalent or consent of instructor.

**PTEC 4301—Petroleum Production Technology (3-0)**

An introduction to the production of petroleum, including completion, artificial lift, workovers and stimulation. Prerequisites: PTEC 3304 or equivalent, or consent of instructor.

**PTEC 4302—Pipeline Technology (3-0)**

An introduction to pipeline technology, corrosion, and hydraulics. Prerequisites: PTEC 3301 or consent of instructor.

**PTEC 4304—Wireline, Mud Logging, and Core Analysis (2-2)**

An introduction to open and cased hole well logging, mud logging and coring. Prerequisites: PTEC 3301 or consent of instructor.

**PTEC 4305—Petroleum Reservoirs (3-0)**

An introduction to petroleum reservoirs and the basics of reservoir engineering. Prerequisite: PTEC 3301 or consent of instructor. Corequisite MATH 1325 or 2413.

**PTEC 4389—Selected Topics (3-0)**

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.

**DEGREE PLAN: BS IN INDUSTRIAL TECHNOLOGY**  
**Suggested Courses by Semester: BSIT**

**Freshman Year**

Fall		Hours	Spring		Hours
ENGL	1301	3	ENGL	1302	3
MATH	1324	3	MATH	1325	3
COMM	1315	3	HIST	1302	3
HIST	1301	3	COSC	1335	3
ART	1301	3	CHEM	1311, 1111	4
Total Hours		15			16

**Sophomore Year**

Fall		Hours	Spring		Hours
ENGL	2328	3	ITEC	2302	3
ACCT	2301	3	PLSC	2302	3
ECON	2301	3	ITEC	2200	2
ITEC	2301	3	MNGT	2342	3
PHYS	1301, 1101	4	PLSC	2301	3
Total Hours		16			14

**Junior Year**

Fall		Hours	Spring		Hours
ITEC	3305	3	ITEC	3380	3
ITEC	2337	3	Major Elective		3
MNGT	3310	3	Major Elective		3
MNGT	3312	3	Major Elective		3
Major Elective		3	Major Elective		3
Total Hours		15			15

**Senior Year**

Fall		Hours	Spring		Hours
ITEC	4380	3	ITEC	4392	3
Major Elective		3	Free Elective		2
Major Elective		3	Major Elective		3
Major Elective		3	Free Elective		3
Free Elective		3	Free Elective		3
Total Hours		15			14



# Requirements for the BAAS Industrial Technology Option

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

## Specific Requirements for the BAAS Industrial Technology Option

### General Education

44 Credits

General Education Requirements are 44 semester credit hours as outlined on pages 72-73 of the U. T. Permian Basin *Undergraduate Catalog*. 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.

### 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. COSC 1335 may be used to meet both this requirement and the general education requirements.

### Applied Arts and Science Requirements

57 Credits

#### Technical Field of A.A.S. Degree

30 SCH

#### Industrial Technology Upper Level Courses

27 SCH

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 level courses related to their AAS specialty chosen from the following courses. This includes two free upper division electives.

### Industrial Technology Major Courses

ITEC 3380	Managing Technology	3
ITEC 4380	Total Quality Management	3
ITEC 3303	Production Planning and Control	3
ITEC 3305	Safety, Health, and the Environment	3
ITEC 3390	Technology and Society	3
ITEC 3310	Manufacturing Technology	3
ITEC 4275	Senior Seminar	2
ITEC 4304	Instruments and Controls	3
PTEC 3301	Petroleum Fundamentals	3
PTEC 3302	Petroleum Fluids and Natural Gas Technology	3
PTEC 3304	Drilling Technology	3
PTEC 4301	Petroleum Production Technology	3
PTEC 4302	Pipeline Technology	3
PTEC 4304	Wireline, Mud, and Core Analysis	3
PTEC 4305	Petroleum Reservoirs	3
PTEC 4389	Selected Topics	3
MNGT 3310	Management Concepts and Organization Theory	3
MNGT 3312	Human Resource Management	3

Upper Division Elective	3
Upper Division Elective	3

**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. Industrial Technology option students will be required to have a supervised internship (ITEC 4392).

**Other Requirements**

Additional courses are necessary to complete the minor and the sufficient upper division electives to complete 54 upper division hours and 120 total hours. No more than 6 credit hours from the major may be used towards the minor. It is recommended that B.A.A.S students in the Industrial Technology option complete the minor in Management.

# Engineering

Administered by the Department of Engineering and Technology in the School of Business, the engineering programs, through their curricula, strive to educate and train engineers who have the desire to learn and the breadth of vision to formulate and solve the problems of today and tomorrow. It is expected that a student who applies himself or herself and successfully completes one of the engineering programs will not only be technically prepared but also broadly educated, and thus ready to make a significant contribution.

To a great extent, our current standard of living and high level of technology are due to the diligent and innovative efforts of engineers. Future accomplishments could help increase energy and food supplies, develop more contamination-free power plants, aid in medical science's fight against disease, and expand our computational and design skills beyond imagination. While scientists "explore what is," engineers "create what never has been."

## Degree Requirements

The minimum total credits required for a BS degree in Engineering is **126**.

### General Education Core Courses

**46 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 2413, 2414. Students should meet the science requirement with physics and chemistry (PHYS 2325, 2125, and CHEM 1311, 1111).

#### General Education Requirement:

English Composition, 6 credits, ENGL 1301, 1302  
Literature, 3 credits, ENGL 2322, 2323, 2327, or 2328  
U.S. History, 6 credits, HIST 1301, 1302  
U.S. and State Government, 6 credits, PLSC 2305, 2306  
Lab Sciences, 8 credits, PHYS 2325, 2125, and CHEM 1311, 1111  
Mathematics, 8 credits, MATH 2413, 2414  
Oral Communication, 3 credits  
Visual and Performing Arts, 3 credits  
Social Sciences, 3 credits

#### Computer Use:

Engineering majors obtain skills in using computers in ENGR 1204 Engineering Graphics, a required lower division course.

## Mechanical Engineering Program Description

The mechanical engineer may design a component, a machine, a system or a process. Mechanical engineers analyze their design using the principles of physics to insure the product functions safely, efficiently, reliably, and can be manufactured at a competitive cost. Mechanical engineers work in automotive, aerospace, chemical, computer, communication, paper, and power generation industries. Mechanical engineers are found in virtually any manufacturing industry.

The educational objectives of the Mechanical Engineering program are to provide an educational experience that enables graduates to:

1. Obtain professional-level employment in the mechanical engineering field,
2. obtain licensure as a professional engineer,
3. practice mechanical engineering in a wide variety of private industries and governmental agencies, and
4. engage in life-long learning and professional development including, if desired, the pursuit of graduate studies.

**Mechanical Engineering Lower Division**                      **22 Credits**  
**Required Courses**

MATH 3320 – Differential Equations  
MATH 2415 – Calculus III  
PHYS 2326 – University Physics II  
PHYS 2126 – University Physics II Laboratory  
ENGR 1204 – Engineering Graphics  
ENGR 2301 – Engineering Mechanics: Statics  
ENGR 2302 – Engineering Mechanics: Dynamics  
ENGR 2306 – Fundamentals of Circuit Analysis

**Mechanical Engineering Upper Division**                      **52 Credits**  
**Required Courses**

MATH 3310 – Linear Algebra  
BENG 3303 – Introduction to Material Science  
BENG 3326 – Engineering Economics  
BENG 3373 – Engineering Probability and Statistics  
BENG 3375 – Introduction to Thermodynamics  
MENG 3206 – Mechanical Engineering Laboratory I  
MENG 3324 – Manufacturing Processes  
MENG 3332 – Mechanics of Materials  
MENG 3348 – Computer-Aided Mechanical Engineering Design  
MENG 3351 – Heat Transfer  
MENG 3354 – Introduction of Fluid Mechanics  
MENG 3356 – Fluid Mechanics II  
MENG 3376 – Thermodynamics II  
MENG 4195 – Professional Practice  
MENG 4205 – Heat Transfer and Fluid Mechanics Laboratory  
MENG 4206 – Mechanical Engineering Laboratory II  
MENG 4364 – Mechanical Design I  
MENG 4366 – Senior Design I  
MENG 4368 – Senior Design II

**Mechanical Engineering Upper Division**                      **6 Credits**  
**Elective Courses (choose two)**

MENG 4311 – Automatic Controls  
MENG 4312 – High Temperature Materials  
MENG 4315 – Welding Processes and Metallurgy  
MENG 4360 – Numerical Analysis  
MENG 4365 – Vibrations  
MENG 4370 – Mechanical Design II  
MENG 4372 – Thermo-Fluid Component and Systems Design

**Mechanical Engineering - Nuclear Option Description**

The nuclear engineering track under the mechanical engineering program is designed to combine broad engineering disciplines with knowledge of engineering principles specific to the nuclear industry. A degree in mechanical engineering with the nuclear engineering track should prepare graduates for work at power plants, fuel generation facilities, government regulatory agencies, and the design and manufacture of components and systems associated with handling nuclear materials. The program is further intended to adequately prepare students for graduate work in nuclear engineering.

**Mechanical Engineering (Nuclear Track) Lower Division  
Required Courses**

**22 Credits**

MATH 3320 – Differential Equations  
MATH 2415 – Calculus III  
PHYS 2326 – University Physics II  
PHYS 2126 – University Physics II Laboratory  
ENGR 1204 – Engineering Graphics  
ENGR 2301 – Engineering Mechanics: Statics  
ENGR 2302 – Engineering Mechanics: Dynamics  
ENGR 2306 – Fundamentals of Circuit Analysis

**Mechanical Engineering (Nuclear Track) Upper Division  
Required Courses**

**58 Credits**

PHYS 3310 – Introduction to Nuclear Physics  
BENG 3303 – Introduction to Material Science  
BENG 3373 – Engineering Probability and Statistics  
BENG 3375 – Introduction to Thermodynamics  
MENG 3206 – Mechanical Engineering Laboratory I  
MENG 3332 – Mechanics of Materials  
MENG 3348 – Computer-Aided Mechanical Engineering Design  
MENG 3351 – Heat Transfer  
MENG 3354 – Introduction of Fluid Mechanics  
MENG 3356 – Fluid Mechanics II  
MENG 3376 – Thermodynamics II  
MENG 4195 – Professional Practice  
MENG 4205 – Heat Transfer and Fluid Mechanics Laboratory  
MENG 4364 – Mechanical Design I  
MENG 4366 – Senior Design I  
MENG 4368 – Senior Design II  
NENG 3301 – Introduction to Nuclear Power  
NENG 4211 – Nuclear Engineering Laboratory  
NENG 4311 – Radioactive Materials Processing and Waste Management  
NENG 4321 – Nuclear Reactor Engineering  
NENG 4331 – Radiation and Radiation Protection

## Course Listing

### **BENG 3303 Introduction to Materials Science (3-0)**

Introduction to properties of engineering materials and relationships to their structure, behavior, and processing; materials testing and measurement of properties. Selection of materials for engineering applications considering interrelationships between structure, properties, processing, and performance. Prerequisites: CHEM 1311 and PHYS 2325.

### **BENG 3326 Engineering Economics (3-0)**

Application of economics to engineering and industrial problems that require a knowledge of engineering for their solution. Prerequisite: ECON 2301 or junior/senior standing.

### **BENG 3373 Engineering Probability and Statistics (3-0)**

Fundamental concepts of discrete and continuous random variables. The creation and proper utilization of statistical decision models for engineering analysis and design. Prerequisite: MATH 2415.

### **BENG 3375 Introduction to Thermodynamics (3-0)**

An introduction to the basic concepts of thermodynamics including the properties of substances and ideal gases. Introduction to the concepts of a thermodynamic system, control volumes, heat, work, and internal energy. Introduction to the first and second laws of thermodynamics with engineering applications. Prerequisites: MATH 2414 and PHYS 2325.

### **ENGR 1204 Engineering Graphics (1-3)**

Introduction to computer-aided drafting using CAD software and sketching to generate two- and three-dimensional drawings based on the conventions of engineering graphical communication; topics include spatial relationships, multi-view projections and sectioning, dimension, graphical presentation of data, and fundamentals of computer graphics. Prerequisite: MATH 1314 College Algebra or equivalent. Cross-listing: ITEC 2200.

### **ENGR 2301 Engineering Mechanics: Statics (3-0)**

Basic theory of engineering mechanics, using calculus, involving the description of forces, moments, and couples acting on stationary engineering structures; equilibrium in two and three dimensions; free-body diagrams; friction; centroids; centers of gravity; and moments of inertia. Prerequisite: PHYS 2325, corequisite: MATH 2414.

### **ENGR 2302 Engineering Mechanics: Dynamics (3-0)**

Basic theory of engineering mechanics, using calculus, involving the motion of particles, rigid bodies, and systems of particles; Newton's Laws; work and energy relationships; principles of impulse and momentum; application of kinetics and kinematics to the solution of engineering problems. Prerequisite: ENGR 2301

### **ENGR 2306 Fundamentals of Circuit Analysis (3-0)**

Basic concepts of electrical engineering using calculus; the fundamentals of electrical and electronic components and circuits, circuit analysis; network principles, motors, and steady-state and transient responses; application of Laplace transforms; and use of computational software to solve network problems; application of the principles to the solution of electrical engineering problems; relationship between basic principles and advanced applications. Prerequisite: PHYS 2326.

**MENG 3206 Mechanical Engineering Laboratory I (1-3)** Theory and fundamentals of the measurement of mechanical and thermal properties and the application of these measurements to processes. This includes the study of various types of measurement devices from traditional gages to modern computer-based data acquisition systems. Prerequisites: MATH 3320, ENGR 2306 and BENG 3373.

**MENG 3324 Manufacturing Processes (3-0)** Study of modern manufacturing processes for metals, polymers, and ceramics. Casting, deformation, polymer molding, and machining are studied. Prerequisites: BENG 3303. Corequisite: MENG 3332.

**MENG 3332 Mechanics of Materials (3-0)** Basic concepts of stress and strain in common engineering materials. An introduction to Hooke's law and the Poisson effect. Analysis of axial, shear, flexural, torsional, and combined stress and strain in structural members. Shear and moment distribution in beams. An introduction to the deformation of structural members under load. Prerequisites: ENGR 2301.

**MENG 3348 Computer-Aided Mechanical Engineering Design (3-0)** Extensive use of computers as part of the mechanical engineering design process. Introduction to the finite element method for thermal and mechanical systems design. Software packages using solid modeling, finite element analysis, nonlinear solvers, and kinematic simulation will be introduced. Design project work using computational tools is a major component of the course. Prerequisites: BENG 3375 and MENG 3332.

**MENG 3351 Heat Transfer (3-0)** Convection, conduction, and radiation heat transfer. Heat flow in fluids and solids. Steady state and transient heat flow. Design of heat transfer equipment and mathematical modeling and analysis of heat transfer. Prerequisites: BENG 3375 and MATH 3320.

**MENG 3354 Introduction to Fluid Mechanics (3-0)** An introduction to the basic concepts of fluid mechanics including the fundamental properties of fluids, fluid statics, kinematics of fluid motion, and similitude. The conservation of mass, energy, and momentum are introduced with applications to compressible and incompressible fluids. Laminar and turbulent boundary layers are introduced. Prerequisite: ENGR 2301. Corequisite: MATH 2415.

**MENG 3356 Fluid Mechanics II (3-0)** Surface resistance to flow, wall shear stress, and boundary layers. Internal flow, laminar and turbulent flow in conduits. External flow, lift and drag. Compressible flow, normal shock waves, isentropic flow through nozzles and diffusers. Introduction to turbomachinery. Prerequisite: MENG 3354.

**MENG 3364 Mechanical Design I (3-0)** Fundamental principles of machine component design are introduced. Stress and deflection analysis of machine elements; failure theories for static and fatigue loading. Prerequisites: BENG 3303, MENG 3332.

**MENG 3376 Thermodynamics II (3-0)** First and second law analysis of power cycles: Rankine vapor power cycles; air-standard and Brayton gas cycles. Refrigeration and heat pump cycles and systems. Ideal gas mixtures and psychrometrics. Reacting mixtures and combustion. Prerequisite: BENG 3375.

**MENG 4195 Professional Practice (1-0)** Introduction to the engineering profession with emphasis on professional and ethical responsibility. The impact of engineering solutions in a global, economic, environmental, and societal context is discussed. Professional registration is discussed and an engineering field examination is given. Prerequisite: MENG 4366 or MENG 4368.

**MENG 4205 Heat Transfer and Fluid Mechanics Laboratory (1-3)** Laboratory practice and measurement of thermo-fluid properties. Application to practical problems in heat transfer and fluid mechanics. Prerequisites: MENG 3206, MENG 3351, and MENG 3354.

**MENG 4206 Mechanical Engineering Laboratory II (1-3)** A continuation of the Mechanical Engineering Laboratory series with practical measurement problems in mechanical engineering. Prerequisite: MENG 3206.

**MENG 4311 Automatic Controls (3-0)** A study of classical control theory including transfer functions, stability, and time response. Root locus, Nyquist diagrams, and Bode Plots are studied. The computer as a simulation tool for control system design and analysis is introduced. Prerequisites: ENGR 2302 and MATH 3320.

**MENG 4360 Numerical Analysis (3-0)** An introduction to the theory and techniques of numerical computation for solutions of systems of linear equations for science, engineering and technology. Prerequisites: MATH 2414 and COSC 1430 or consent of instructor. In addition, familiarity with the fundamentals of matrix algebra is useful. Cross-listing: MATH 4360.

**MENG 4365 Vibrations (3-0)** Fundamentals of vibration theory and system response. Single and multiple degrees of freedom, damping, and vibration isolation. Prerequisites: ENGR 2302 and MATH 3320.

**MENG 4366 Senior Design I (3-0)** Introduction to the design process. Customer needs, product specifications; concept generation and selection; design for manufacturing; economics of product development; prototyping. Teams of students work on a mechanical engineering capstone design project through the concept selection phase. Detail design will continue in course MENG 4468. Prerequisites: MENG 3364, MENG 3348.

**MENG 4368 Senior Design II (3-0)** Continuation and conclusion of the mechanical engineering capstone design project. Students complete a detail design of a product, prepare of a formal written design report and give an oral presentation of the design. Course must be taken immediately following MENG 4366. Prerequisite: MENG 4366.

**MENG 4370 Mechanical Design II (3-0)** Practical applications of the principles of machine design. Design of screws, fasteners, and connections; welded and bonded joints, mechanical springs; antifriction and journal bearings; gearing and shafts; clutches, brakes, and couplings. Prerequisite: MENG 3364.

**MENG 4372 Thermo-Fluid Component and Systems Design (3-0)** Analysis of components for energy transfer: pumps; fans, blowers, and compressors; heat exchangers and burners; ducts; valves. Design of systems containing energy transfer components. Design of duct and piping systems. Design of fluid networks. Prerequisites: MENG 3351 and MENG 3356.

**NENG 3301 Introduction to Nuclear Power (3-0)** Covers basic physics of radioactivity and basic nuclear interactions - fission and fusion. Basic operational principles of fission reactors, power generation, nuclear power control systems, efficiency and nuclear power safety. Prerequisites: PHYS 2325/2125, PHYS 2326/2126.

**NENG 4211 Nuclear Engineering Laboratory (1-3)** An introduction to radiation physics and terminology, the properties of radioactive materials, sources and the types of ionizing radiation. The basic physical interaction of radiation with matter is covered, with applications to the theory of radiation detection, measurement, and dosimetry. Prerequisites: PHYS 2325/2125, PHYS 2326/2126.

**NENG 4311 Radioactive Materials Processing and Waste Management (3-0)** This course covers behavior of radioactive substances, as well as their storage, processing, and disposal. It provides a basic understanding of the behavior of radioactive materials, sources of radioactive materials, techniques by which they are produced, refined, stored, and recovered from contaminated areas. Prerequisites: CHEM 1311/1111, BENG 3303.

**NENG 4321 Nuclear Reactor Engineering (3-0)** This course is designed to provide an understanding of the physical theory and operation of a nuclear reactor core. Physical principles of operation, practical challenges, and numerical simulation of core behavior are explored. Prerequisites: PHYS 2325/2125, MENG 3376, PHYS 3310.

**NENG 4331 Radiation and Radiation Protection (3-0)** Covers basic physics of radioactivity and basic nuclear interactions of fission and fusion. Basic operational principles of fission reactors. power generation, nuclear power control systems, efficiency and nuclear power safety. Prerequisites: PHYS 2325/2125, PHYS 2326/2126.



**DEGREE PLAN: BS in Mechanical Engineering**

**Freshman Year**

<b>Fall</b>		<b>Hours</b>	<b>Spring</b>		<b>Hours</b>	
ENGL 1301	Composition I	3	ENGL 1302	Composition II	3	
HIST 1301	History of the U.S. to 1877	3	HIST 1302	History of the U.S. Since 1877	3	
MATH 2413	Calculus I	4	COMM 1315	Introduction to Public Speaking	3	
CHEM 1311	General Chemistry I	3	MATH 2414	Calculus II	4	
CHEM 1111	Gen Chemistry I Laboratory	1	PHYS 2325	University Physics I	3	
ENGR 1204	Engineering Graphics	2	PHYS 2125	University Physics I Laboratory	1	
		16			17	33

**Sophomore Year**

<b>Fall</b>		<b>Hours</b>	<b>Spring</b>		<b>Hours</b>	
PLSC 2305	American National Politics	3	MATH 3320	Differential Equations	3	
	Visual/Performing Arts	3	BENG 3373	Engr. Probability and Statistics	3	
MATH 2415	Calculus III	4	BENG 3303	Introduction to Materials Science	3	
PHYS 2326	University Physics II	3	ENGR 2302	Engr. Mechanics: Dynamics	3	
PHYS 2126	University Physics II Lab.	1	ENGR 2306	Fundamentals of Circuit Analysis	3	
ENGR 2301	Engr. Mechanics I: Statics	3				
		17			15	32

**Junior Year**

<b>Fall</b>			<b>Spring</b>			
BENG 3375	Intro. to Thermodynamics	3	MENG 3356	Fluid Mechanics II	3	
MENG 3354	Intro. to Fluid Mechanics	3	MENG 3348	Computer-Aided ME Design	3	
MENG 3332	Mechanics of Materials	3	MENG 3351	Heat Transfer	3	
MENG 3206	Mechanical Engr. Lab I	2	MENG 3376	Thermodynamics II	3	
MENG 3324	Manufacturing Processes	3	MENG 3364	Mechanical Design I	3	
MATH 3310	Linear Algebra	3				
		17			15	32

**Senior Year**

<b>Fall</b>			<b>Spring</b>			
MENG 4205	HTR & FM Laboratory	2	BENG 3326	Engineering Economics	3	
MENG 4366	Senior Design I	3	MENG 4195	Professional Practice	1	
MENG 43xx	MENG Elective	3	MENG 4206	ME Laboratory II	2	
MENG 43xx	MENG Elective	3	MENG 4368	Senior Design II	3	
ECON 2301	Macroeconomics	3	ENGL 23xx	Literature Course	3	
			PLSC 2306	State and Local Politics	3	
		14			15	29
				<b>Total hours</b>		<b>126</b>

**DEGREE PLAN: BS in Mechanical Engineering (Nuclear Track)**

**Freshman Year**

<b>Fall</b>		<b>Hours</b>	<b>Spring</b>		<b>Hours</b>	
ENGL 1301	Composition I	3	ENGL 1302	Composition II	3	
HIST 1301	History of the U.S. to 1877	3	HIST 1302	History of the U.S. Since 1877	3	
MATH 2413	Calculus I	4	COMM 1315	Introduction to Public Speaking	3	
CHEM 1311	General Chemistry I	3	MATH 2414	Calculus II	4	
CHEM 1111	Gen Chemistry I Laboratory	1	PHYS 2325	University Physics I	3	
ENGR 1204	Engineering Graphics	2	PHYS 2125	University Physics I Laboratory	1	
		16			17	33

**Sophomore Year**

<b>Fall</b>		<b>Hours</b>	<b>Spring</b>		<b>Hours</b>	
PLSC 2305	American National Politics	3	MATH 3320	Differential Equations	3	
	Visual/Performing Arts	3	BENG 3373	Engr. Probability and Statistics	3	
MATH 2415	Calculus III	4	BENG 3303	Introduction to Materials Science	3	
PHYS 2326	University Physics II	3	ENGR 2302	Engr. Mechanics: Dynamics	3	
PHYS 2126	University Physics II Lab.	1	ENGR 2306	Fundamentals of Circuit Analysis	3	
ENGR 2301	Engr. Mechanics I: Statics	3				
		17			15	32

**Junior Year**

<b>Fall</b>			<b>Spring</b>			
BENG 3375	Intro. to Thermodynamics	3	NENG 4331	Radiation & Radiation Protection	3	
MENG 3354	Intro. to Fluid Mechanics	3	MENG 3348	Computer-Aided ME Design	3	
MENG 3332	Mechanics of Materials	3	MENG 3351	Heat Transfer	3	
MENG 3206	Mechanical Engr. Lab I	2	MENG 3376	Thermodynamics II	3	
PHYS 3310	Intro. to Nuclear Physics	3	MENG 3364	Mechanical Design I	3	
NENG 3301	Intro. to Nuclear Power Sys.	3				
		17			15	32

**Senior Year**

<b>Fall</b>			<b>Spring</b>			
MENG 4205	HTR & FM Laboratory	2	MENG 3356	Fluid Mechanics II	3	
MENG 4366	Senior Design I	3	MENG 4195	Professional Practice	1	
NENG 4311	Rad. Mat'ls. & Waste Mgmt.	3	NENG 4211	Nuclear Engineering Laboratory	2	
NENG 4321	Nuclear Reactor Engr.	3	MENG 4368	Senior Design II	3	
ECON 2301	Macroeconomics	3	ENGL 23xx	Literature Course	3	
			PLSC 2306	State and Local Politics	3	
		14			15	29
				Total hours		126

# Petroleum Engineering Degree Requirements

The minimum total credits required for a BS degree in Petroleum Engineering is 126.

## General Education Core Courses

**46 credits**

General education requirements are 44 semester credit hours as outlined in the U. T. Permian Basin *Undergraduate Catalog*. Students meet the Mathematics requirement with the following courses: MATH2413, 2414. Students meet the science requirements with: PHYS 2325, 2125, and CHEM 1311, 1111.

## General education core courses should include the following:

English Composition, 6 credits, ENGL 1301, 1302  
U.S. History, 6 credits, HIST 1301, 1302  
U.S. and State Government, 6 credits, PLSC 2305, 2306  
Lab Sciences, 8 credits, PHYS 2325, 2125, and CHEM 1311, 1111  
Mathematics, 8 credits, MATH 2413, 2414  
Literature, 3 credits, ENGL 2322, 2323, 2327, or 2328  
Communication, 3 credits  
Arts, 3 credits  
Social Sciences, 3 credits

**Geology Background:** Petroleum Engineering students acquire basic geological knowledge from: GEOL 1301, GEOL 1101, and GEOL 3308.

## Petroleum Engineering Program Description

Petroleum engineering is a broad-based discipline primarily concerned with the exploration, development, and conservation of oil and gas resources. Petroleum engineers plan and supervise drilling and well-completion programs, design and select drilling and production equipment, estimate reserves, and manage oil and gas properties. A petroleum engineering graduate may obtain a responsible position with an oil company, establish a consulting business, or become an independent oil producer. In general, a petroleum and natural gas engineer may find employment with any industry, state or federal institutions which require a specialist in activities related to producing and injecting fluids by means of wellbores.

## **Non-Petroleum-Engineering Required Courses**

**42 Credits**

MATH 3301 – Statistics, 3  
MATH 3320 – Differential Equations, 3  
MATH 2415 – Calculus III, 4  
PHYS 2326 – University Physics II, 3  
PHYS 2126 – University Physics II Laboratory, 1  
GEOL 1301 - Physical Geology, 3  
GEOL 1101 - Physical Geology Lab, 1  
GEOL 3308 - Sedimentary Rocks, 3  
ENGR 2301 – Engineering Mechanics: Statics, 3  
ENGR 2302 – Engineering Mechanics: Dynamics, 3  
ENGR 2306 – Fundamentals of Circuit Analysis, 3  
BENG 3375 - Intro. To Thermodynamics, 3  
BENG 3326 - Engineering Economics, 3  
MENG 3332 - Mechanics of Materials, 3  
MENG 3354 - Intro. To Fluid Mechanics, 3

## Petroleum Engineering Required Courses

38 Credits

PENG 2301 - Petroleum Fundamentals, 3  
PENG 3302 - Petroleum Fluids, 3  
PENG 3301 - Drilling Engineering, 3  
PENG 3101 - Drilling Fluid Lab, 1  
PENG 3304 - Reservoir Engineering I, 3  
PENG 3104 - Reservoir Engineering I Lab, 1  
PENG 4307 - Reservoir Engineering II, 3  
PENG 3305 - Well Design, 3  
PENG 3307 - Formation Evaluation, 3  
PENG 4305 - Natural Gas Reservoir Engr., 3  
PENG 4301 - Production Engineering, 3  
PENG 4303 - Reservoir Description, 3  
PENG 4308 - Geostatistics, 3  
PENG 4310 - Senior Design, 3

## Descriptions for Petroleum Engineering Courses

**PENG 2301 - Petroleum Fundamentals:** A basic overview of the petroleum industry, covering exploration, leasing, drilling, production, enhanced recovery, transportation and refining. 3 credit hours

**PENG 3302 - Petroleum Fluids:** Characteristics and properties of reservoir fluids. (Prerequisite: Chem 1311, Math 2415, and PENG 2301), 3 credit hours

**PENG 3301 - Drilling Engineering:** The study of the drilling process, including basic rotary drilling, drilling fluids and hydraulics, drill string design, directional drilling, and well control. (Prerequisites: PENG 2301 and ENGR 2302), 3 credit hours

**PENG 3101 - Drilling Fluids Lab:** Measurement and design of drilling fluids (Co-requisite PENG 3301), 1 credit hour

**PENG 3304 - Reservoir Engineering I:** Properties of reservoir fluids and rocks, volumetric estimation, the material balance equation and applications (Prerequisites: PENG 3302 and MATH 3320), 3 credit hours

**PENG 3104 - Reservoir Engineering I Lab:** Measurement of fluid/rock properties, modeling (Co-requisite: PENG 3304) 1 credit hour

**PENG 3305 - Well Design:** Well planning, drill string, casing, cementing and completions (Prerequisite PENG 3301), 3 credit hours

**PENG 3307 - Formation Evaluation:** Open hole and cased hole log analysis (Prerequisites: Math 2415 and PENG 2301), 3 credit hours

**PENG 4301 - Production Engineering:** Single and multi-phase flow, inflow performance, choke performance, artificial lift, and nodal analysis. (Prerequisite: PENG 3305), 3 credit hours

**PENG 4303 - Reservoir Engineering II:** Secondary and tertiary oil recovery process (Prerequisite: PENG 3304), 3 credit hours

**PENG 4305 - Natural Gas Reservoir Engineering:** Estimation of gas reserves for dry and gas condensate reservoirs. Evaluation of deliverability tests and subsequent development of flow equations. Determination of gas recovery from unconventional reservoirs, e.g., coalbed methane, tight gas sands, shales.

Strategies for gas field development. (Prerequisite: PENG 3304), 3 credit hours

**PENG 4307** - Reservoir Description: Integration of reservoir, production and geological data for well performance optimization (senior project class) (Prerequisites: senior standing, PENG 4303), 3 credit hours

**PENG 4308** - Geostatistics: Introduction to geostatistics; basic statistics concepts; univariate distributions and estimators; measures of heterogeneity; hypothesis testing, correlation, and regression; analysis of spatial relationships, modeling geological media, and use of statistics in reservoir modeling. (Prerequisites: MATH 3301 and PENG 4303), 3 credit hours.

**PENG 4310** - Senior Design: Work on an extensive petroleum engineering project covering many areas (Prerequisite: senior standing and PENG 4301), 3 credit hours

## Petroleum Engineering

<b>Freshman Year</b>					
Fall		Hours	Spring		Hours
ENGL 1301	Composition I	3	ENGL 1302	Composition II	3
MATH 2413	Calculus I	4	MATH 2414	Calculus II	4
CHEM 1311	General Chemistry	3	PHYS 2325	University Physics I	3
CHEM 1111	Gen Chemistry Lab	1	PHYS 2125	University Physics I Lab	1
GEOL 1301	Physical Geology	3	PLSC 2305	American National Politics	3
GEOL 1101	Physical Geology Lab	1	COMM	Communication elective	3
		15			17
					32
<b>Sophomore Year</b>					
Fall		Hours	Spring		Hours
PHYS 2326	University Physics II	3	ENGR 2306	Fund. of Circuit Analysis	3
PHYS 2126	University Physics II Lab	1	MATH 3320	Differential Equations	3
ENGR 2301	Engr. Mechanics: Statics	3	PENG 3302	Petroleum Fluids	3
MATH 2415	Calculus III	4	ENGR 2302	Engr. Mechanics: Dynamics	3
MATH 3301	Statistics	3	GEOL 3308	Sedimentary Rocks	3
PENG 2301	Petroleum Fundamentals	3			
		17			15
					32
<b>Junior Year</b>					
Fall			Spring		
MENG 3354	Intro. To Fluid Mechanics	3	PENG 4303	Reservoir Engineering II	3
BENG 3375	Intro. To Thermodynamics	3	HIST 1301	US History to 1877	3
MENG 3332	Mechanics of Materials	3	PENG 3305	Well Design	3
PENG 3301	Drilling Engineering	3	PENG 3307	Formation Evaluation	3
PENG 3101	Drilling Fluid Lab	1	PENG 4305	Natural Gas Reservoir Engr.	3
PENG 3304	Reservoir Engineering I	3			
PENG 3104	Reservoir Engineering I	1			

	Lab					
		17			15	32
<b>Senior Year</b>						
Fall			Spring			
PLSC 2306	State and Local Politics	3	BENG 3326	Engineering Economics	3	
PENG 4301	Production Engineering	3	PENG 4310	Senior Design	3	
ENGL	Literature Elective	3	ARTS	Arts Elective	3	
PENG 4307	Reservoir Description	3	HIST 1302	US History since 1877	3	
PENG 4308	Geostatistics	3		Social Science Elective	3	
		15			15	30
						126

# ENGINEERING TRANSFER

## (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 Engineering Transfer Program Coordinator or the School of Business Academic Advising Office for a list of names of faculty advisors.

### General Education

ENGL 1301, 1302	English Composition I, II	6
HIST 1301, 1302	History of the U. S. to 1877, since 1877	6
PLSC 2305, 2306	U. S. National, State, and Local Politics I, II	6
MATH 2413, 2414	Calculus and Analytic Geometry I, II	8
PHYS 2325/2125, 2326/2126	University Physics I, II	8

### Engineering Preparation

MATH 2415	Calculus and Analytic Geometry III	4
MATH 3320	Differential Equations	3
CHEM 1311/1111	General Chemistry I	4

**In addition, lower division students enrolled at U. T. El Paso in the Bachelor of Science in Civil Engineering, Industrial Engineering, Mechanical Engineering, and Metallurgical Engineering complete the following general requirements during the first two years. All of these courses are available on the UTPB campus.**

BE 1301, 1101 (TCCN ENGR 1401)	Introduction to Engineering and Design/Lab	4
BE 1205 (TCCN ENGR 1204)	Graphic Fundamentals in Engineering Design	2
BE 2303	Introduction to Material Science and Engineering	3
BE 2326	Engineering Economy	3
BE 2338 (TCCN ENGR 2302)	Mechanics II	3
BE 2375	Introduction to Thermal-Fluid Science	3
BE 2377	Electrical Circuits and Motors	3
BE 2434 (TCCN ENGR 2301)	Mechanics I	4

**In addition, lower division students enrolled at U. T. El Paso in the Bachelor of Science in Electrical Engineering, and Computer Engineering complete the following general requirements during the first two years. All of these courses are available on the UTPB campus.**

EE 1305, 1105	Introduction to Electrical Engineering and Lab	4
EE 2351, 2151	Electrical Circuits and Lab	4
EE 2369, 2169	Digital Systems Design I & Lab	4
EE 2327	Software Design I	3

Students planning to transfer to institutions other than U. T. El Paso should elect the general education and engineering preparation courses listed above. The student should check with the intended transfer institution as to specific requirements and transfer policies. TCCN indicates Texas Common Course Number.

### Course Listing for Civil Engineering, Industrial Engineering, Mechanical Engineering, and Metallurgical Engineering

**BE 1301 Introduction to Engineering and Design (3- 0)**

This course will introduce the student to effective procedures for solving engineering and design problems using mathematics, computers, basic measuring systems and devices, computational tools, and statistical concepts. The course will also introduce the student to the engineering profession, including the role and responsibilities of the engineer in today's society. Corequisites: BE 1101, MATH 2413 and ENGL 1301.

**BE 1101 Introduction to Engineering and Design Lab (0- 3)**

This lab will introduce the student to effective procedures for solving engineering and design problems using mathematics, computers, basic measuring systems and devices, computational tools, and statistical concepts. The lab will also introduce the student to the engineering profession, including the role and responsibilities of the engineer in today's society. Corequisites: BE 1301, MATH 2413, and ENGL 1301.

**BE 1205 Graphic Fundamentals in Engineering Design (1- 3) (TCCN ENGR 1204)**

Introduction to computer-aided drafting using CAD software and sketching to generate two- and three-dimensional drawings based on the conventions of engineering graphical communication; topics include spatial relationships, multi-view projections and sectioning, dimension, graphical presentation of data, and fundamentals of computer graphics. Prerequisite: MATH 1314 College Algebra or equivalent. Cross-listed with ENGR 1204 and ITEC 2200.

**BE 2303 Introduction to Materials Science and Engineering (3- 0)**

Introduction to properties of engineering materials and relationships to their structure, behavior, and processing; materials testing and measurement of properties. Selection of materials for engineering applications considering interrelationships between structure, properties, processing, and performance. Prerequisite: CHEM 1311 and PHYS 2325. Cross-listed with BENG 3303.

**BE 2326 Engineering Economy (3-0)**

Application of economics to engineering and industrial problems that require a knowledge of engineering for their solution. Prerequisite: ECON 2301 or junior/senior standing. Cross-listed with BENG 3326.

**BE 2338 Mechanics II (TCCN ENGR 2302) (3-0)**

Basic theory of engineering mechanics, using calculus, involving the motion of particles, rigid bodies, and systems of particles; Newton's Laws; work and energy relationships; principles of impulse and momentum; application of kinetics and kinematics to the solution of engineering problems. Prerequisite: BE 2434. Cross-listed with ENGR 2302.

**BE 2375 Introduction to Thermal-Fluid Science (3-0)**

An introduction to the basic concepts of thermodynamics including the properties of substances and ideal gases. Introduction to the concepts of a thermodynamic system, control volumes, heat, work, and internal energy. Introduction to the first and second laws of thermodynamics with engineering applications. Prerequisites: MATH 2414 and PHYS 2325. Cross-listed with BENG 3375.

**BE 2377 Electrical Circuits (3-0)**

Basic concepts of electrical engineering using calculus; the fundamentals of electrical and electronic components and circuits, circuit analysis; network principles, motors, and steady-state and transient responses; application of Laplace transforms; and use of computational software to solve network problems; application of the principles to the solution of electrical engineering problems; relationship between basic principles and advanced applications. Prerequisite: PHYS 2326. Cross-listed with ENGR 2306.

**BE 2334 Mechanics I (3-0) (TCCN ENGR 2301)**

Basic theory of engineering mechanics, using calculus, involving the description of forces, moments, and couples acting on stationary engineering structures; equilibrium in two and three dimensions; free-body diagrams; friction; centroids; centers of gravity; and moments of inertia. Prerequisite: PHYS 2325, corequisite: MATH 2414. Cross-listed with ENGR 2301.

**Suggested Courses by Semester: Engineering Transfer for Civil Engineering, Industrial Engineering, Mechanical Engineering, and Metallurgical Engineering**



Suggested Courses by Semester: Engineering Transfer for Civil Engineering, Industrial Engineering, Mechanical Engineering, and Metallurgical Engineering

<b>Freshman Year</b>					
<b>Fall</b>			<b>Spring</b>		
		<b>Hours</b>			<b>Hours</b>
ENGL	1301	3	ENGL	1302	3
MATH	2413	4	MATH	2414	4
HIST	1301	3	HIST	1302	3
CHEM	1311,1111	4	PHYS	2325,2125	4
BE	1301,1101	4	BE	1205	2
<b>Total Hours</b>		<b>18</b>			<b>16</b>
<b>Sophomore Year</b>					
<b>Fall</b>			<b>Spring</b>		
		<b>Hours</b>			<b>Hours</b>
PLSC	2305	3	MATH	3320	3
MATH	2415	4	BE	2303	3
PHYS	2326,2126	4	BE	2338	3
BE	2326	3	BE	2375	3
BE	2334	3	BE	2377	3
<b>Total Hours</b>		<b>17</b>			<b>15</b>

# SCHOOL OF EDUCATION

Accredited by The National Council for Accreditation of Teacher Education



## Dr. Rachel Juarez-Torres, Interim Dean

For Information Contact (432) 552-2120 or go by MB 3214



### **Rachel Juarez-Torres, Ed.D.**

Associate Dean of the School of Education, Graduate Program Coordinator of the Master of Arts in Education (Professional Education)

Associate Professor of Education

Dr. Juarez-Torres is a former public school classroom teacher and her area of specialization is Curriculum and Instruction, specializing in Language Arts Education. As Associate Dean, Dr. Juarez-Torres coordinates the School of Education's NCATE accreditation efforts.

The UTPB School of Education proudly achieved full accreditation by the National Council for Accreditation of Teacher Education (NCATE) in October, 2007. We are only 1 of 2 universities within The University of Texas System who currently has this distinction. The following "Conceptual Framework" outlines the vision, mission, and learning outcomes for the candidates in our initial and advanced programs. Please visit the NCATE web site at [www.ncate.org](http://www.ncate.org) for more information.

## Conceptual Framework

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.

The **learning outcomes** expected are that teacher candidates will:

- Demonstrate content knowledge in their respective content area
- Use appropriate processes and teaching practices
- Apply knowledge about child and adolescent development
- Incorporate knowledge of diversity in planning and delivering instruction
- Incorporate technology in planning and delivering instruction
- Plan for and assess students' learning
- Create an appropriate learning environment
- Communicate and collaborate with all stakeholders
- Engage in professional growth.

As part of its teacher certification program, the School of Education emphasizes experiential learning 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 the knowledge, skills, and dispositions contained in the learning outcomes through assessment strategies such as portfolios, reflective journals, and other performance-based assessment strategies.

### AREAS OF TEACHER CERTIFICATION

#### Early Childhood – Grade 6

Generalist  
Bilingual Generalist  
ESL Generalist  
Generalist with Special Education

#### Grades 4 – 8

Generalist  
Bilingual Generalist  
ESL Generalist  
Generalist with Special Education

English Language Arts/Reading  
Social Studies  
English Language Arts/Reading/Social Studies  
Mathematics  
Science  
Mathematics & Science **Early Childhood – Grade 12**  
Art  
Music  
Physical Education  
Spanish  
Special Education

**Grades 8 – 12**

Business Education (grades 6-12)  
Chemistry  
Computer Science  
English Language Arts & Reading  
History  
Journalism  
Life Science  
Mathematics  
Physical Science  
Science  
Social Studies  
Speech (grades 7-12)

**Supplemental Certifications**

Bilingual Education  
English as a Second Language (ESL)  
Special Education

**Undergraduate Certification while earning a BA or BS Degree**

Undergraduates seeking teacher certification earn their bachelor's degree in an approved area while completing the 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 the post-baccalaureate certification program. Post-baccalaureate students are required to pass the TExES in their content area prior to being admitted into internship.

**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 Professional Foundations requirements.
- B. Apply and 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. Students 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. A student with a conviction must consult the Certification Officer.

### **Admission to the Teacher Preparation Program**

Undergraduate students must apply for admission to the Teacher Preparation Program during the semester in which the last Professional Foundations course is completed. Those who have not been admitted cannot take any professional education courses beyond the core. The following documentation is required of applicants under this catalog:

1. Satisfactory scores on reading, writing, and math tests, either the THEA or an approved TSI alternative:
  - a. THEA (TASP): 260 on Reading, 240 on Writing, and 240 on Mathematics.
  - b. SAT: combined score of 1070 with at least 500 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 6 on writing essay.
  - e. TAAS: 1780 on writing, 89 on reading, and 86 on math. All three areas must be met.
  - f. TAKS: 2200+ on English and 2200+ on Math for the exit-level tests taken in 11<sup>th</sup> grade.
  - 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 are granted.
2. Grade of "C" or better in COMM 1315 or an equivalent course, or other evidence of oral communication skills.
3. 48 semester hours of college course work (UTPB and transfer courses) completed with a GPA of 2.50 or higher.
4. GPA of 2.75 or higher in the major (or teaching specialization).
5. Completion of Professional Foundations courses with a GPA of 2.75 or higher and no grade lower than "C".
6. Certification plan and degree plan (for undergraduates) filed with the Certification Office.
7. Completed application, including essay and two letters of recommendation.
8. Post-baccalaureates: Passing score on the appropriate content-area TExES.

### **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 contingent upon submission of a certification petition and the written approval of the Dean.

### **Student Teaching or Internship**

Candidates for student teaching or internship must have a 2.50 overall GPA, and a GPA of 2.75 in the academic specialization and education courses. All professional education courses must be completed prior to student teaching, or permission obtained to take a course concurrently. Undergraduates can lack no more than 6 hours plus student teaching to finish their degree. The appropriate content area TExES exam and the Pedagogy and Professional Responsibilities (PPR) TExES exam must be attempted prior to student teaching.

Candidates for internship must have a bachelor's degree or higher, and must have passed the appropriate content area TExES exam

Candidates receiving the THECB Educational Aide Exemption are exempt from student teaching and internship.

**Student teachers** maintain the daily schedule required of the public school mentor teachers to whom they are assigned for a period of 14 weeks. **Internships** are completed as a contracted teacher for one academic year. Applications for admission to student teaching must be received by the following dates:

Fall Student Teaching	Deadline is March 10 <sup>th</sup>
Spring Student Teaching	Deadline is October 10 <sup>th</sup>

### **Certification Testing Requirements**

Candidates for certification must pass appropriate Texas Examinations of Educator Standards (TExES). Candidates must pass two tests: one in the content-area and one in pedagogy and professional practices. Candidates seeking Bilingual certification must also pass the Bilingual Target Language Proficiency Test (BTLPT) and the Bilingual Supplemental TExES. Candidates seeking Spanish certification must pass the Languages Other Than English (LOTE) Spanish TExES.

Individuals seeking to take examinations through UT 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 pretests. Students who are unsuccessful on the PPR pretest must enroll in a professional practices course while completing methods courses.

### **Teacher Preparation Professional Foundations Courses**

All undergraduate teacher certification options require the completion of three professional foundations courses as the first phase of the program.

PSYC 3341 <sup>1</sup>	Child & Adolescent Psychology
EDUC 3352 <sup>2</sup>	The Exceptional Child
EDUC 4362	Foundations of Bilingualism and Multiculturalism

<sup>1</sup>PSYC 2308, PSYC 2314, and TECA 1354 are accepted as equivalent courses.

<sup>2</sup>EDUC 2301 is accepted as an equivalent course.

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

### Early Childhood through Grade 6 Options

#### General Requirements

Students seeking EC-6 certification must take at least 3 math 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-6 Generalist

*Approved majors for this certification under Texas Higher Education Coordinating Board (THECB) credit hour guidelines: Multidisciplinary Studies, Child and Family Studies. (Multidisciplinary Studies requires the fewest hours to complete.)*

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

**Phase II:** EDUC 3322, EDUC 4311, EDUC 4313.

*\*Apply for admission to program prior to registration for Phase III courses.*

**Phase III:** EDUC 4317, EDUC 4324, EDUC 4325, EDUC 4327.

*\*Take the appropriate diagnostic tests for the TExES prior to registration for Phase IV courses.*

**Phase IV:** EDUC 4312, EDUC 4367, EDUC 4368, EDUC 4373. *(Take professional practices course if required.)*

*\*Take content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase V:** EDUC 4680 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

#### EC-6 Bilingual Generalist

*Approved majors for this certification under THECB credit hour guidelines: Multidisciplinary Studies.*

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

**Phase II:** EDUC 3322, EDUC 4311, EDUC 4313, EDUC 4329.

*\*Apply for admission to program prior to registration for Phase III courses.*

**Phase III:** EDUC 4317, EDUC 4324, EDUC 4325, EDUC 4315, EDUC 4327.

*\*Take the appropriate diagnostic tests for the TExES prior to registration for Phase IV courses.*

**Phase IV:** EDUC 4312, EDUC 4363, EDUC 4367, EDUC 4368, EDUC 4373. *(Take professional practices course if required.)*

*\*Take BTLPT, content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase V:** EDUC 4681 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

## **EC-6 ESL Generalist**

*Approved majors for this certification under THECB credit hour guidelines: Multidisciplinary Studies.*

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

**Phase II:** EDUC 3322, EDUC 4311, EDUC 4313, EDUC 4329.

*\*Apply for admission to program prior to registration for Phase III courses.*

**Phase III:** EDUC 4317, EDUC 4324, EDUC 4325, EDUC 4327.

*\*Take the appropriate diagnostic tests for the TExES prior to registration for Phase IV courses.*

**Phase IV:** EDUC 4312, EDUC 4336, EDUC 4367, EDUC 4368, EDUC 4373. *(Take professional practices course if required.)*

*\*Take content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase V:** EDUC 4687 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

## **Intermediate/Middle School (Grades 4-8) Options**

### **General Requirements**

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

### **Grades 4-8 Generalist**

*Approved majors for this certification under THECB credit hour guidelines: Multidisciplinary Studies.*

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

**Phase II:** EDUC 3322 or 4323.

*\*Apply for admission to program prior to registration for Phase III courses.*

**Phase III:** EDUC 4321 or 4322; EDUC 4325, EDUC 4326, EDUC 4327.

*\*Take the appropriate diagnostic tests for the TExES prior to registration for Phase IV courses.*

**Phase IV:** EDUC 4374, EDUC 4375. *(Take professional practices course if required.)*

*\*Take content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase IV:** EDUC 4682 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

### **Grades 4-8 Bilingual Generalist**

*Approved majors for this certification under THECB credit hour guidelines: Multidisciplinary Studies.*

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.



**Phase II:** EDUC 3322 or 4323; EDUC 4329.

*\*Apply for admission to program prior to registration for Phase III courses.*

**Phase III:** EDUC 4321 or 4322; EDUC 4315, EDUC 4325, EDUC 4327.

*\*Take the appropriate diagnostic tests for the TExES prior to registration for Phase IV courses.*

**Phase IV:** EDUC 4316, EDUC 4374, EDUC 4375. (Take professional practices course if required.)

*\*Take BTLPT, content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase V:** EDUC 4684 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

#### **Grades 4-8 ESL Generalist**

*Approved majors for this certification under THECB credit hour guidelines: Multidisciplinary Studies.*

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

**Phase II:** EDUC 3322 or 4323; EDUC 4329.

*\*Apply for admission to program prior to registration for Phase III courses.*

**Phase III:** EDUC 4321 or 4322; EDUC 4325, EDUC 4326, EDUC 4327, EDUC 4336.

*\*Take the appropriate diagnostic tests for the TExES prior to registration for Phase IV courses.*

**Phase IV:** EDUC 4316, EDUC 4374, EDUC 4375. (Take professional practices course if required.)

*\*Take content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase V:** EDUC 4688 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

#### **Grades 4-8 English Language Arts & Reading**

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

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

**Phase II:** EDUC 3322 or 4323.

*\*Apply for admission to program prior to registration for Phase III courses.*

**Phase III:** EDUC 4321 or 4322; EDUC 4325, EDUC 4326, EDUC 4327.

*\*Take the appropriate diagnostic tests for the TExES prior to registration for Phase IV courses.*

**Phase IV:** EDUC 4375. (Take professional practices course if required.)

*\*Take content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase V:** EDUC 4683 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

### **Grades 4-8 Social Studies**

*Approved majors for this certification:* History.

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

**Phase II:** EDUC 3322 or 4323.

*\*Apply for admission to program prior to registration for Phase III courses.*

**Phase III:** EDUC 4321 or 4322; EDUC 4325, EDUC 4326.

*\*Take the appropriate diagnostic tests for the TExES prior to registration for Phase IV courses.*

**Phase IV:** EDUC 4375. *(Take professional practices course if required.)*

*\*Take content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase V:** EDUC 4683 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously 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:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

**Phase II:** EDUC 3322 or 4323.

*\*Apply for admission to program prior to registration for Phase III courses.*

**Phase III:** EDUC 4321 or 4322; EDUC 4325, EDUC 4326, EDUC 4327.

*\*Take the appropriate diagnostic tests for the TExES prior to registration for Phase IV courses.*

**Phase IV:** EDUC 4375. *(Take professional practices course if required.)*

*\*Take content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase V:** EDUC 4683 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

### **Grades 4-8 Science**

*Approved majors for this certification:* Biology. (The minor must be Chemistry or Geology.)

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

*\*Apply for admission to program prior to registration for Phase II courses.*

**Phase II:** EDUC 4321 or 4322; EDUC 4325, EDUC 4326.

*\*Take the appropriate diagnostic tests for the TExES prior to registration for Phase IV courses.*

**Phase III:** EDUC 4374. *(Take professional practices course if required.)*

*\*Take content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase IV:** EDUC 4683 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously 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 Geology.

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

*\*Apply for admission to program prior to registration for Phase II courses.*

**Phase II:** EDUC 4321 or 4322; 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 content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase IV:** EDUC 4683 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

#### **Grades 4-8 Science & Mathematics**

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

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

*\*Apply for admission to program prior to registration for Phase II courses.*

**Phase II:** EDUC 4321 or 4322; EDUC 4325, EDUC 4326.

*\*Take the appropriate diagnostic tests for the TExES during this semester.*

**Phase III:** EDUC 4374. (Take professional practices course if required.)

*\*Take content-area TExES and PPR TExES. Apply for admission to student teaching..*

**Phase IV:** EDUC 4683 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

### **Secondary (Grades 7-12 or 8-12) Options**

#### **Grades 7-12 or 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; Political Science with minor in History]; Mathematics [Mathematics]; Life Science [Biology]; Chemistry; Physical Science [Chemistry]; Science [Biology]; Computer Science [Computer Science]; Journalism [Communication]; Speech [Communication].

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

*\*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 appropriate to content area: EDUC 4371 (English Language Arts); EDUC 4370 (History, Social Studies); EDUC 4376 (Sciences); EDUC 4377 (Math); COMM 4320 (Speech; Journalism). (*Take professional practices course if required.*)

*\*Take content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase IV:** EDUC 4685 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

### **All-Level (EC-Grade 12) Options**

#### **EC-Grade 12 Art**

*Approved major for this certification: Art.*

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

*\*Apply for admission to program prior to registration for Phase II courses.*

**Phase II:** EDUC 4321 or 4322; 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 the content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase IV:** EDUC 4686 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass the content-area TExES and PPR TExES if not previously passed.*

#### **EC-Grade 12 Music**

*Approved major for this certification: Humanities (Music concentration).*

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

*\*Apply for admission to program prior to registration for Phase II courses.*

**Phase II:** EDUC 4321 or 4322; EDUC 4326.

*\*Take the diagnostic tests for the TExES prior to registration for Phase III courses.*

**Phase III:** MUSI 3204, MUSI 3206, MUSI 4280. (*Take professional practices course if required.*)

*\*Take the content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase IV:** EDUC 4686 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass the content-area TExES and PPR TExES if not previously passed.*

#### **EC-Grade 12 Physical Education**

*Approved major for this certification: Kinesiology.*

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

*\*Apply for admission to program prior to registration for Phase II courses.*

**Phase II:** 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 content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase IV:** EDUC 4686 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously passed.*

## **EC-Grade 12 Spanish**

*Approved major for this certification:* Spanish.

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

*\*Apply for admission to program prior to registration for Phase II courses.*

**Phase II:** EDUC 4321 or 4322; EDUC 4326.

*\*Take the diagnostic tests for the TExES prior to registration for Phase III courses.*

**Phase III:** EDUC 4316. *(Take professional practices course if required.)*

*\*Take the content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase IV:** EDUC 4686 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass the content-area TExES and PPR TExES if not previously passed.*

## **EC-Grade 12 Special Education\*\***

*Approved majors for this certification:* Child/Family Studies (Special Populations minor). **\*\*"Stand alone"** Special Education certification is recommended only for students seeking to teach in "life skill" classrooms. Students seeking to teach in content areas, including elementary resource or inclusion settings, should seek the Generalist EC-6 or Generalist 4-8 certification with Special Education EC-12 or a secondary content teaching field with a Special Education supplement.

**Phase I:** PSYC 3341 or equivalent, EDUC 3352 or equivalent, EDUC 4362.

*\*Apply for admission to program prior to registration for Phase II courses.*

**Phase II:** EDUC 4310, EDUC 4313, EDUC 4353, EDUC 4354, EDUC 4355, EDUC 4324, EDUC 4325 or EDUC 4327.

*\*Take the appropriate diagnostic tests for the TExES prior to registration for Phase III courses.*

**Phase III:** EDUC 4352, EDUC 4356. *(Take professional practices course if required.)*

*\*Take content-area TExES and PPR TExES. Apply for admission to student teaching.*

**Phase IV:** EDUC 4679 (Student Teaching); EDUC 4099 (Seminar).

*\*For completion of Seminar, pass content-area TExES and PPR TExES if not previously 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 4362, EDUC 4329, EDUC 4315, EDUC 4317 or 4316, EDUC 4363.

### **English as a Second Language (supplemental)**

EDUC 4362, EDUC 4329, EDUC 4317 or 4316, EDUC 4336.

### **Special Education (supplemental)**

EDUC 3352, EDUC 4352, EDUC 4353, EDUC 4354, EDUC 4355, EDUC 4356.



**Roy Hurst, Ph.D.**

**Certification Officer; Professor of Science Education;  
Chair of the Department of Curriculum and Instruction**

Dr. Hurst teaches both undergraduate and graduate courses in science education. His research interests include active science learning environments, classroom applications of the Internet, and teacher self-efficacy. His research has been published in *The Journal of Research in Science Teaching*, *The Science Teacher*, and *Teacher Education and Practice*.

**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 (all-level certification option).

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 8-12: At least 24 semester hours at the 2000 level and above, including ENGL 3300 and 4371; ENGL (American lit.); ENGL (British lit.); ENGL (fiction); ENGL (poetry); ENGL (language/rhetoric); ENGL (drama); and EDUC 4323, 4326, and 4371.

English Language Arts & Reading 4-8: At least 24 semester hours at the 2000 level and above, including ENGL 3300; ENGL (American lit.); ENGL (British lit.); ENGL (fiction); ENGL (poetry); ENGL (drama); ENGL (language/rhetoric); EDUC 3322 or 4323; and EDUC 4325, 4326, and 4375.

English Language Arts, Reading, & Social Studies 4-8: 24 semester hours ENGL at the 2000 level and above, including ENGL 3300; ENGL (American lit.); ENGL (British lit.); ENGL (fiction); ENGL (poetry); ENGL (drama); ENGL (language/rhetoric); HIST 1301, 1302, and 3350; HIST (two upper level US history courses and one non-US course); PLSC 2305, 2306; ECON 2301; GEOG 1301; GEOG 1302 or 1303; EDUC 3322 or 4323; and EDUC 4325, 4326, and 4375.

Social Studies 4-8: HIST 1301, 1302, and 3350; HIST (two upper level US history courses and one non-US course); PLSC 2305, 2306, and 4335 or 4336; ECON 2301; GEOG 1301; GEOG 1302 or 1303.

Social Studies 8-12: HIST 1301, 1302; two 2000-level non-US courses; two upper-level non-US courses; two upper-level US courses; PLSC 2305, 2306; 3321 or 4321; 4335 or 4336; ECON 2301, 2302; GEOG 1301; GEOG 1302 or 1303;

History 8-12: Complete the History requirements for the BA in History.

Mathematics 4-8: MATH 2350 or 2412; MATH 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; 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; PHYS 1301/1101 or 2325/2125, 1302/1102 or 2326/2126; NTSC 4311; 3-4 hours of science electives.

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, 3324/3225, 4301/4103; PHYS 1301/1101 or 2325/2125, 1302/1102 or 2326/2126; NTSC 4311.

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

Journalism 8-12: COMM 1307 or 2301; 2311, 2321, 2361, 3304, 3319, 3360, 4315, 6 elective hours.

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

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

### **Restricted Courses**

Enrollment in the following courses is restricted to students who have applied for and been accepted into the Teacher Certification Program: EDUC 4312, 4315, 4316, 4317, 4321, 4322, 4324, 4325, 4326, 4327, 4333, 4334, 4336, 4363, 4367, 4368, 4370, 4371, 4372, 4373, 4374, 4375, 4376, 4377, and 4378.

Enrollment in the following courses is restricted to students who have applied for and been accepted into Student Teaching or Internship: EDUC 4099, 4379, 4381, 4387, 4388, 4399, 4679, 4680, 4681, 4682, 4683, 4684, 4685, 4686, 4687, 4688 and 4692.



## 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 Literature in the Classroom (3)**

This course provides an overview of literature intended for use in classrooms with preschool through adolescent learners. The focus is on the history and genres of classroom literature, and current trends and strategies for effective selection and use of literature in teaching. Prerequisite: PSYC 3341 or equivalent 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. A field experience is included. Co/Prerequisite: PSYC 3341 or equivalent. 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 professional education course work. Learner-centered practices are emphasized. Candidates must pass the appropriate TExES exams to complete the course. Co-requisite: 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. Prerequisite: Admission to Teacher Certification Program or permission of the 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. Prerequisites: PSYC 3341 and EDUC 3352, or permission of the instructor. F

### **EDUC 4311 ECE: Social and Emotional Development (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. Prerequisites: PSYC 1301 and 3341, or permission of the 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. A field 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. Prerequisite: EDUC 4314 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. Prerequisite: PSYC 1301 and 3341, or permission of the instructor. FS

**EDUC 4315 Cognition and Bilingualism (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. A field experience is required. Prerequisites: Admission to Teacher Certification Program; Spanish proficiency as determined by the Bilingual Target Language Proficiency Test or similar exam, 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. A field experience is required. TExES pre-tests may be required. Prerequisite: Admission to Teacher Certification Program. S

**EDUC 4317 Second Language Acquisition Principles EC-6 (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. A field experience is required. Prerequisites: Admission to Teacher Certification Program and EDUC 4314 or EDUC 4329. FS

**EDUC 4321 Classroom Instruction and Management: Grades 4-8 (3)**

The course introduces prospective middle school teachers to effective practices for classroom instruction and management. The practices include addressing curriculum and instruction by establishing positive learning environments, designing and implementing assessments, planning lessons, and appropriately integrating technology into learning activities. A field experience is included. Prerequisite: Admission to Teacher Certification Program. F

**EDUC 4322 Classroom Instruction and Management: Grades 8-12 (3)**

This course introduces prospective secondary teachers to effective practices for classroom instruction and management. The practices include addressing curriculum and instruction by establishing positive learning environments, designing and implementing assessments, planning lessons, and appropriately integrating technology into learning activities. A field experience is included. Prerequisite: Admission to Teacher Certification Program. FS

**EDUC 4323 Adolescent Literature in the Classroom (3)**

This course prepares candidates to analyze and select adolescent literature for use in the classroom during read-alouds and in shared, interactive, guided, and independent reading. Candidates will participate in literacy

circles, and read and discuss themes and representation in literature from a variety of genres for young adults. Candidates will learn strategies that aid in building reading comprehension through adolescent literature. Prerequisite: PSYC 3341 or equivalent, or permission of instructor. F

**EDUC 4324 Reading Development in Primary Grades (3)**

This course addresses reading development, methods of reading instruction, and sequence of instruction for the primary classroom. Candidates develop understanding of emergent reading, development of phonemic awareness, decoding and word analysis, fluency, and meaning construction. Field experience is included. Prerequisites: EDUC 3322 and 4313; Admission to Teacher Certification Program. FS

**EDUC 4325 Reading in the Intermediate and Middle Grades (3)**

This course addresses basic methods, trends, recent materials, and issues in reading and literacy for the middle grades. The emphasis is on strategic reading and the reading comprehension process, with an introduction to process writing across the curriculum. A field experience is included. Prerequisites: EDUC 3322 or 4323; Admission to Teacher Certification Program. FS

**EDUC 4326 Reading in the Content Areas (3)**

This course focuses on methods of integrating reading and literacy into the content areas for grades 4-12. It emphasizes ongoing assessment and planning developmentally appropriate learning experiences for students. A field experience is included. Prerequisites: Admission to Teacher Certification Program. FS

**EDUC 4327 Literacy Assessment and Intervention (3)**

Students in this course learn a variety of means to assess literacy ability and develop instructional interventions to address identified areas of need to promote learners' success. Cognitive, sociocultural, and affective factors related to the child's literacy development are addressed. A field experience is included, giving students the opportunity to assess and tutor struggling readers. Prerequisites: Admission to Teacher Certification Program; EDUC 4324 or 4325 or 4326 or permission of instructor. 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. Prerequisite: PSYC 3341 or equivalent, or permission of Instructor. FS

**EDUC 4332 Curriculum in Physical Education (3)**

This course examines current curriculum theory and practice. Factors affecting yearly planning, unit planning, and lesson planning are identified. The course must be completed during the final year of course work preceding student teaching. 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. Co-requisite: 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 is on the development of teaching skills associated with effective physical education practices, development of pedagogical knowledge, systematic observation and reflective skills. Field-based experience is required. 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. TExES pre-tests may be required. Prerequisites: Admission to Teacher Certification Program and successful completion of a majority of the Forms of Movement credits. Co-requisite: EDUC 4332. F

**EDUC 4336 Issues of Multilingualism (3)**

This course focuses on the interrelationships of language, culture, and learning in educational settings for second language learners. 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. TExES pre-tests may be required. Prerequisites: EDUC 3352. S

**EDUC 4353 Individualized Planning and Other Professional Practice (3)**

This course focuses on development of the individualized education program for students with disabilities and the legal and ethical considerations that must be addressed throughout the decision-making process. The course addresses the selection of appropriate goals, accommodations, modifications, etc., based on the unique needs and abilities of individuals with disabilities. It also covers professional practices such as progress monitoring and working with paraprofessionals. Prerequisites: EDUC 3352. S

**EDUC 4354 Teaching Students with High Incidence Disabilities (3)**

This course examines typical characteristics associated with high incidence disabilities, identification procedures used, and the development of appropriate, research-based intervention programs. This course also focuses on the use of formal and informal assessments to evaluate the instructional process and student progress. Field-based experience is required. Prerequisites: EDUC 3352. S

**EDUC 4355 Teaching Students with Low Incidence Disabilities (3)**

This course examines characteristics associated with low incidence disabilities, identification procedures used, and the development of appropriate, research-based intervention programs. This course also focuses on the use of formal and informal assessments to evaluate the instructional process and student progress. Field-based experience is 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. F

**EDUC 4362 Foundations of Bilingualism and Biculturalism (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 explored. Lesson planning and curriculum development pertaining to bilingual and multicultural populations will be introduced. A field experience is included. Co/Prerequisite: PSYC 3341 or equivalent. FS

**EDUC 4363 Methods of Teaching in the Bilingual Classroom (3)**

Students examine content area theory and methods for bilingual education programs in elementary schools. Included are models, curriculum development, Spanish vocabulary, materials, teaching strategies and evaluations. A field experience is required. Prerequisites: Spanish proficiency (as determined by the TOPT) or permission of instructor; Admission to the Teacher Certification Program; taking appropriate TExES pretests; EDUC 3322, 4312, 4313, 4329, 4315). Co/Prerequisite: EDUC 4317. S

**EDUC 4367 Teaching Mathematics EC-6 (3)**

This course addresses the methods of teaching mathematics in early childhood and elementary classrooms. The emphasis is on planning and providing developmentally appropriate learning experiences to support children's exploration and construction of basic concepts and skills in math. A field experience is included. Prerequisites: Admission to the Teacher Certification Program, taking appropriate TExES diagnostic pretests, and completion of the Block II Courses. FS

**EDUC 4368 Teaching Science EC-6 (3)**

This course addresses the methods of teaching science in early childhood and elementary classrooms. The emphasis is on planning and providing developmentally appropriate learning experiences to support children's exploration and construction of basic concepts and skills in science. A field experience is included. Prerequisites: Admission to the Teacher Certification Program, taking appropriate TExES diagnostic pretests, and completion of the Block II Courses. FS

**EDUC 4370 Teaching Social Studies: Grades 8-12 (3)**

This course addresses the methods of teaching social studies in grades 8-12. Candidates participate in unit planning, the writing process for student research papers, and hands-on comprehension strategies for teaching social studies. A field experience is required. Prerequisites: Admission to the Teacher Certification Program and taking appropriate TExES diagnostic pretests. Co/Prerequisites: EDUC 4322, 4326. S

**EDUC 4371 Teaching English Language Arts: Grades 8-12 (3)**

This course addresses the methods of teaching English language arts in grades 8-12. Candidates participate in the writing process, research, unit planning, and hands-on comprehension strategies for teaching English and language arts. A field experience is required. Prerequisites: Admission to the Teacher Certification Program and taking appropriate TExES diagnostic pretests. Co/Prerequisites: EDUC 4322, 4323, 4326. S

**EDUC 4372 Teaching Mathematics and Science: EC-6 (3)**

This course addresses the 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. A field experience is included. Prerequisites: Admission to the Teacher Certification Program, taking appropriate TExES diagnostic pretests, and completion of the Block II Courses. Co/Prerequisites: EDUC 4324 or 4315. FS

**EDUC 4373 Teaching Language Arts and Social Studies: EC-6 (3)**

This course addresses the design and organization of content, materials, and instructional strategies for language arts and social studies programs in early childhood – grade 6 classrooms. The emphasis is on integrating language arts and social studies content areas to plan developmentally appropriate learning experiences for students. A field experience is included. Prerequisites: Admission to the Teacher Certification Program, taking appropriate TExES diagnostic pretests, and completion of the Block II courses. Co/Prerequisite: EDUC 4324 or 4315. FS

**EDUC 4374 Teaching Mathematics and Science: Grades 4-8 (3)**

This course addresses the methods of teaching math and science in intermediate and middle school classrooms. The emphasis is on planning and providing developmentally appropriate learning experiences in an effective and supportive learning environment. Field experience is included. Prerequisites: Admission to Teacher Certification Program, taking appropriate TExES diagnostic pretests, and completion of Block II courses. Co/Prerequisite: EDUC 4325 and 4326. S

**EDUC 4375 Teaching English Language Arts and Social Studies: Grades 4-8 (3)**

This course addresses the methods of teaching language arts and social studies in the intermediate and middle grades. The emphasis is on integrating reading and process writing into language arts and social studies and planning developmentally appropriate learning experiences for students. A field experience is included. Prerequisites: Admission to the Teacher Certification Program, taking appropriate TExES diagnostic pretests, and completion of Block II courses. Co/Prerequisite: EDUC 4325 and 4326. F

**EDUC 4376 Teaching Science: Grades 8-12 (3)**

This course addresses the methods of teaching science in secondary schools. Candidates participate in unit planning, a research project, a lab safety module, the use of instructional technology, and interactive modeling of methods for teaching science. A field experience is included. Prerequisites: Admission to the Teacher Certification Program and taking the appropriate TExES diagnostic pretests. Co/Prerequisites: EDUC 4322 and 4326. F

**EDUC 4377 Teaching Mathematics: Grades 8-12 (3)**

This course addresses the methods of teaching mathematics in secondary schools. Candidates participate in unit planning, the use of instructional technology and manipulatives, and interactive modeling of methods for teaching mathematics. A field experience is included. Prerequisites: Admission to the Teacher Certification Program and taking the appropriate TExES diagnostic pretests. Co/Prerequisites: EDUC 4322 and 4326. F

**EDUC 4378 Teaching Visual Arts (3)**

This course addresses the methods of teaching visual arts at all levels. The emphasis is on developing the skills needed to plan for and provide appropriate learning experiences in an effective, supportive learning environment. A field experience is included. Prerequisites: Admission to the Teacher Certification Program; taking the appropriate TExES diagnostic pretests. Co/Prerequisite: EDUC 4322. S

**EDUC 4379 Student Teaching: Special Education Supplement (3)**

This one-semester practicum provides pre-service teachers with opportunities to demonstrate competency in implementing programs for exceptional learners. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

**EDUC 4381 Student Teaching (3)**

This one-semester practicum provides pre-service teachers with opportunities to demonstrate competency in classroom settings. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

**EDUC 4387 Student Teaching: ESL Supplement (3)**

This one-semester practicum provides pre-service teachers with opportunities to demonstrate competency in ESL settings. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. 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 settings. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. 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 (0-3)**

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. May be repeated once for credit. FS

**EDUC 4679 Student Teaching: Special Education EC-12 (6)**

This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in implementing programs for exceptional learners. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

**EDUC 4680 Student Teaching: EC-6 Generalist (6)**

This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in early childhood and elementary settings. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

**EDUC 4681 Student Teaching: EC-6 Bilingual Generalist (6)**

This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in bilingual early childhood and elementary settings. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. 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 settings. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. 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 settings. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. 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 settings. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. 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 settings. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

**EDUC 4686 Student Teaching: EC-Grade 12 (6)**

This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in classroom settings. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

**EDUC 4687 Student Teaching: EC-6 ESL Generalist (6)**

This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in early childhood and elementary settings, including those with ESL students. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

**EDUC 4688 Student Teaching: Grades 4-8 ESL Generalist (6)**

This one-semester practicum provides preservice teachers with opportunities to demonstrate competency in intermediate and middle school settings, including those with ESL students. The candidate is under the collaborative supervision of a certified, experienced teacher and a university field supervisor. Prerequisite: Admission to Student Teaching. Corequisite: EDUC 4099. FS

**EDUC 4692 Practicum: Internship (1-6)**

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



## BILINGUAL/ENGLISH AS A SECOND LANGUAGE

**Susan Lara, Ed.D.**

**Professor of Education, Vice President of Student Services**

Bilingual/ESL (English as a Second Language) concerns are part of Dr. Lara's agenda in her teaching, her research, and her service activities. She has received Dept. of Education awards in that area, has served on the Board of Editors for the *Journal of Educational Issues of Language Minority Students*, and serves as a community resource person. She is also interested in elementary education and reading.

### **(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 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 4362, EDUC 4315\*, EDUC 4316, EDUC 4317, 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

## Crosswalk

In 1996, U. T. Permian Basin adopted the Texas Common Course Number System. This required the renumbering of every U. T. Permian Basin course. This crosswalk shows the new course number given to courses in the 1996 inventory of courses.

<u>Old Course</u>	<u>New Course</u>	<u>Old Course</u>	<u>New Course</u>	<u>Old Course</u>	<u>New Course</u>
ACCT 231	ACCT 2301	ART 331	ARTS 3331	BIOL 350	BIOL 3350
ACCT 232	ACCT 2302	ART 340	ARTS 3340	BIOL 351	BIOL 3151
ACCT 301	ACCT 3301	ART 341	ARTS 3341	BIOL 352	BIOL 3352
ACCT 302	ACCT 3302	ART 342	ARTS 3342	BIOL 353	BIOL 3153
ACCT 303	ACCT 3303	ART 350	ARTS 3350	BIOL 356	BIOL 3356
ACCT 304	ACCT 3304	ART 351	ARTS 3351	BIOL 357	BIOL 3157
ACCT 305	ACCT 3305	ART 360	ARTS 3360	BIOL 391	BIOL 3391
ACCT 333	ACCT 3333	ART 362	ARTS 3362	BIOL 398	BIOL 3198
ACCT 400	ACCT 4300	ART 370	ARTS 3370	BIOL 401	BIOL 4301
ACCT 406	ACCT 4306	ART 371	ARTS 3371	BIOL 420	BIOL 4320
ACCT 410	ACCT 4310	ART 389	ARTS 3389	BIOL 421	BIOL 4121
ACCT 411	ACCT 4311	ART 392	ARTS 3392	BIOL 423	BIOL 4323
ACCT 413	ACCT 4313	ART 393	ARTS 3393	BIOL 440	BIOL 4340
ACCT 415	ACCT 4315	ART 400	ARTS 4300	BIOL 441	BIOL 4141
ACCT 416	ACCT 4316	ART 401	ARTS 4301	BIOL 442	BIOL 4342
ACCT 418	ACCT 4318	ART 402	ARTS 4302	BIOL 452	BIOL 4352
ACCT 420	ACCT 4320	ART 410	ARTS 4310	BIOL 453	BIOL 4153
ACCT 425	ACCT 4325	ART 411	ARTS 4311	BIOL 454	BIOL 4354
ACCT 489	ACCT 4389	ART 420	ARTS 4320	BIOL 455	BIOL 4155
ACCT 491	ACCT 4391	ART 421	ARTS 4321	BIOL 456	BIOL 4356
ACCT 492	ACCT 4392	ART 430	ARTS 4330	BIOL 472	BIOL 4372
ACCT 600	ACCT 6300	ART 431	ARTS 4331	BIOL 473	BIOL 4173
ACCT 601	ACCT 6301	ART 432	ARTS 4332	BIOL 489	BIOL 4389
ACCT 602	ACCT 6302	ART 440	ARTS 4340	BIOL 491	BIOL 4391
ACCT 604	ACCT 6304	ART 441	ARTS 4341	BIOL 601	BIOL 6301
ACCT 611	ACCT 6311	ART 442	ARTS 4342	BIOL 623	BIOL 6323
ACCT 615	ACCT 6315	ART 443	ARTS 4343	BIOL 630	BIOL 6330
ACCT 616	ACCT 6316	ART 450	ARTS 4350	BIOL 632	BIOL 6332
ACCT 675	ACCT 6375	ART 451	ARTS 4351	BIOL 640	BIOL 6340
ACCT 689	ACCT 6389	ART 452	ARTS 4352	BIOL 644	BIOL 6344
ACCT 691	ACCT 6391	ART 453	ARTS 4353	BIOL 650	BIOL 6350
ACCT 692	ACCT 6392	ART 454	ARTS 4354	BIOL 656	BIOL 6356
ACCT 698	ACCT 6398	ART 462	ARTS 4362	BIOL 662	BIOL 6362
ACCT 699	ACCT 6399	ART 465	ARTS 4365	BIOL 689	BIOL 6389
ANTH 101	ANTH 2302	ART 466	ARTS 4166	BIOL 691	BIOL 6391
ART 100	ARTS 1301	ART 489	ARTS 4389	BIOL 695	BIOL 6195
ART 110	ARTS 1316	ART 491	ARTS 4391	BIOL 699	BIOL 6399
ART 111	ARTS 1311	ART 492	ARTS 4392	BLAW 220	BUSI 2320
ART 112	ARTS 1320	BIOL 110	BIOL 1306	BLAW 221	BUSI 2321
ART 200	ARTS 2340	BIOL 111	BIOL 1106	BLAW 321	BUSI 3321
ART 201	ARTS 2341	BIOL 120	BIOL 1307	BLAW 600	BUSI 6300
ART 210	ARTS 2310	BIOL 121	BIOL 1107	CHEM 101	CHEM 1301
ART 230	ARTS 2330	BIOL 300	BIOL 3300	CHEM 103	CHEM 1103
ART 231	ARTS 2331	BIOL 301	BIOL 3101	CHEM 131	CHEM 1331
ART 300	ARTS 3300	BIOL 303	BIOL 3303	CHEM 132	CHEM 1332
ART 301	ARTS 3301	BIOL 304	BIOL 3304	CHEM 133	CHEM 1133
ART 302	ARTS 3302	BIOL 310	BIOL 3310	CHEM 134	CHEM 1134
ART 303	ARTS 3303	BIOL 311	BIOL 3111	CHEM 311	CHEM 3411
ART 304	ARTS 3304	BIOL 324	BIOL 3324	CHEM 312	CHEM 3412
ART 310	ARTS 3310	BIOL 325	BIOL 3125	CHEM 313	CHEM 3113
ART 311	ARTS 3311	BIOL 330	BIOL 3230	CHEM 314	CHEM 3114
ART 320	ARTS 3320	BIOL 331	BIOL 3231	CHEM 324	CHEM 3324
ART 321	ARTS 3321	BIOL 343	BIOL 3343	CHEM 325	CHEM 3225

CHEM 395	CHEM 3695	CRIM 360	CRIM 3360	EDUC 451	EDUC 4351
CHEM 401	CHEM 4301	CRIM 365	CRIM 3365	EDUC 453	EDUC 4353
CHEM 402	CHEM 4302	CRIM 389	CRIM 3389	EDUC 454	EDUC 4354
CHEM 403	CHEM 4103	CRIM 391	CRIM 3391	EDUC 455	EDUC 4355
CHEM 404	CHEM 4104	CRIM 409	CRIM 4309	EDUC 457	EDUC 4357
CHEM 440	CHEM 4340	CRIM 412	CRIM 4312	EDUC 462	EDUC 4362
CHEM 474	CHEM 4374	CRIM 415	CRIM 4315	EDUC 463	EDUC 4363
CHEM 475	CHEM 4174	CRIM 420	CRIM 4320	EDUC 475	EDUC 4675
CHEM 489	CHEM 4389	CRIM 421	CRIM 4321	EDUC 476	EDUC 4676
CHEM 491	CHEM 4391	CRIM 422	CRIM 4322	EDUC 477	EDUC 4377
CHEM 610	CHEM 6310	CRIM 432	CRIM 4332	EDUC 479	EDUC 4379
CHEM 620	CHEM 6320	CRIM 433	CRIM 4333	EDUC 480	EDUC 4380
CHEM 630	CHEM 6330	CRIM 434	CRIM 4334	EDUC 481	EDUC 4381
CHEM 640	CHEM 6340	CRIM 480	CRIM 4380	EDUC 482	EDUC 4682
CHEM 689	CHEM 6389	CRIM 489	CRIM 4389	EDUC 483	EDUC 4383
CJAD 601	CJAD 6301	CRIM 491	CRIM 4391	EDUC 484	EDUC 4684
CJAD 602	CJAD 6302	CRIM 492	CRIM 4392	EDUC 485	EDUC 4385
CJAD 603	CJAD 6303	CRIM 494	CRIM 4394	EDUC 486	EDUC 4386
CJAD 604	CJAD 6304	CRIM 499	CRIM 4399	EDUC 488	EDUC 4388
CJAD 610	CJAD 6310	CRIM 691	CRIM 6391	EDUC 489	EDUC 4389
CJAD 620	CJAD 6320	DSCI 301	DSCI 3301	EDUC 489A	EDUC 4390
CJAD 630	CJAD 6330	DSCI 302	DSCI 3302	EDUC 491	EDUC 4391
CJAD 640	CJAD 6340	DSCI 603	DSCI 6303	EDUC 492	EDUC 4692
CJAD 650	CJAD 6350	ECON 201	ECON 2301	EDUC 499	EDUC 4399
CJAD 660	CJAD 6360	ECON 202	ECON 2302	EDUC 589	EDUC 5389
CJAD 692	CJAD 6392	ECON 303	ECON 3303	EDUC 601	EDUC 6301
CJAD 698	CJAD 6398	ECON 322	ECON 3322	EDUC 602	EDUC 6302
CJAD 699	CJAD 6399	ECON 407	ECON 4307	EDUC 603	EDUC 6303
CPSC 101	COSC 1301	ECON 420	ECON 4320	EDUC 604	EDUC 6304
CPSC 105	COSC 1335	ECON 423	ECON 4323	EDUC 605	EDUC 6305
CPSC 110	COSC 1417	ECON 425	ECON 4325	EDUC 610	EDUC 6310
CPSC 121	COSC 1430	ECON 430	ECON 4330	EDUC 611	EDUC 6311
CPSC 122	COSC 2430	ECON 489	ECON 4389	EDUC 612	EDUC 6312
CPSC 189	COSC 1389	ECON 491	ECON 4391	EDUC 613	EDUC 6313
CPSC 210	COSC 1432	ECON 492	ECON 4392	EDUC 614	EDUC 6314
CPSC 220	COSC 2320	ECON 600	ECON 6300	EDUC 615	EDUC 6315
CPSC 230	COSC 1331	ECON 602	ECON 6302	EDUC 616	EDUC 6316
CPSC 310	COSC 3310	ECON 689	ECON 6389	EDUC 618	EDUC 6318
CPSC 312	COSC 3312	ECON 691	ECON 6391	EDUC 619	EDUC 6319
CPSC 313	COSC 3313	EDUC 099	EDUC 0399	EDUC 620	EDUC 6320
CPSC 315	COSC 3315	EDUC 200	EDUC 2300	EDUC 621	EDUC 6321
CPSC 320	COSC 3420	EDUC 252	EDUC 2352	EDUC 624	EDUC 6324
CPSC 329	COSC 3329	EDUC 322	EDUC 3322	EDUC 625	EDUC 6325
CPSC 389	COSC 3389	EDUC 344	EDUC 3344	EDUC 627	EDUC 6327
CPSC 410	COSC 4410	EDUC 351	EDUC 3351	EDUC 628	EDUC 6328
CPSC 415	COSC 4415	EDUC 370	EDUC 3370	EDUC 629	EDUC 6329
CPSC 425	COSC 4425	EDUC 411	EDUC 4311	EDUC 630	EDUC 6330
CPSC 430	COSC 4330	EDUC 412	EDUC 4312	EDUC 631	EDUC 6331
CPSC 470	COSC 4370	EDUC 413	EDUC 4313	EDUC 632	EDUC 6332
CPSC 475	COSC 4475	EDUC 415	EDUC 4315	EDUC 634	EDUC 6334
CPSC 480	COSC 4480	EDUC 416	EDUC 4316	EDUC 635	EDUC 6335
CPSC 489	COSC 4389	EDUC 425	EDUC 4325	EDUC 636	EDUC 6336
CPSC 490	COSC 4390	EDUC 426	EDUC 4326	EDUC 637	EDUC 6337
CPSC 491	COSC 4391	EDUC 428	EDUC 4328	EDUC 640	EDUC 6340
CPSC 495	COSC 4495	EDUC 429	EDUC 4329	EDUC 642	EDUC 6342
CRIM 201	CRIM 2336	EDUC 432	EDUC 4332	EDUC 643	EDUC 6343
CRIM 210	CRIM 2310	EDUC 433	EDUC 4333	EDUC 644	EDUC 6344
CRIM 340	CRIM 3340	EDUC 434	EDUC 4334	EDUC 645	EDUC 6345
CRIM 350	CRIM 3350	EDUC 436	EDUC 4336	EDUC 646	EDUC 6346
CRIM 355	CRIM 3355	EDUC 441	EDUC 4341	EDUC 648	EDUC 6348

EDUC 650	EDUC 6350	ENG 405	ENGL 4305	GEOG 301	GEOG 3301
EDUC 651	EDUC 6351	ENG 411	ENGL 4311	GEOG 302	GEOG 3302
EDUC 654	EDUC 6354	ENG 412	ENGL 4312	GEOG 307	GEOG 3307
EDUC 660	EDUC 6360	ENG 421	ENGL 4321	GEOG 403	GEOG 4303
EDUC 661	EDUC 6361	ENG 425	ENGL 4325	GEOG 404	GEOG 4304
EDUC 662	EDUC 6362	ENG 432	ENGL 4332	GEOG 491	GEOG 4391
EDUC 663	EDUC 6463	ENG 433	ENGL 4333	GEOG 101	GEOG 1401
EDUC 664	EDUC 6364	ENG 440	ENGL 4340	GEOG 102	GEOG 1402
EDUC 666	EDUC 6366	ENG 452	ENGL 4352	GEOG 203	GEOG 2403
EDUC 667	EDUC 6367	ENG 459	ENGL 4359	GEOG 204	GEOG 2304
EDUC 668	EDUC 6368	ENG 469	ENGL 4369	GEOG 305	GEOG 3405
EDUC 669	EDUC 6369	ENG 471	ENGL 4371	GEOG 306	GEOG 3306
EDUC 670	EDUC 6370	ENG 489	ENGL 4389	GEOG 307	GEOG 3407
EDUC 671	EDUC 6371	ENG 491	ENGL 4391	GEOG 308	GEOG 3408
EDUC 672	EDUC 6372	ENG 602	ENGL 6302	GEOG 314	GEOG 3314
EDUC 673	EDUC 6373	ENG 603	ENGL 6303	GEOG 315	GEOG 3315
EDUC 675	EDUC 6375	ENG 604	ENGL 6304	GEOG 316	GEOG 3316
EDUC 677	EDUC 6377	ENG 605	ENGL 6305	GEOG 317	GEOG 3317
EDUC 678	EDUC 6378	ENG 621	ENGL 6321	GEOG 318	GEOG 3318
EDUC 679	EDUC 6379	ENG 622	ENGL 6322	GEOG 400	GEOG 4600
EDUC 680	EDUC 6380	ENG 623	ENGL 6323	GEOG 409	GEOG 4309
EDUC 681	EDUC 6381	ENG 624	ENGL 6324	GEOG 415	GEOG 4315
EDUC 683	EDUC 6383	ENG 640	ENGL 6340	GEOG 416	GEOG 4316
EDUC 684	EDUC 6384	ENG 651	ENGL 6351	GEOG 417	GEOG 4317
EDUC 685	EDUC 6385	ENG 652	ENGL 6352	GEOG 424	GEOG 4324
EDUC 686	EDUC 6386	ENG 653	ENGL 6353	GEOG 489	GEOG 4389
EDUC 689	EDUC 6389	ENG 659	ENGL 6359	GEOG 605	GEOG 6305
EDUC 691	EDUC 6391	ENG 669	ENGL 6369	GEOG 606	GEOG 6306
EDUC 692	EDUC 6392	ENG 672	ENGL 6372	GEOG 607	GEOG 6307
EDUC 693	EDUC 6393	ENG 689	ENGL 6389	GEOG 611	GEOG 6311
EDUC 695	EDUC 6395	ENG 690	ENGL 6390	GEOG 614	GEOG 6314
EDUC 697	EDUC 6397	ENG 691	ENGL 6391	GEOG 626	GEOG 6326
EDUC 698	EDUC 6398	ENG 699	ENGL 6399	GEOG 634	GEOG 6334
EDUC 699	EDUC 6399	ENGR 443	ENGR 4343	GEOG 640	GEOG 6340
ENG 099	ENGL 0399	ENGR 470	ENGR 4370	GEOG 644	GEOG 6344
ENG 101	ENGL 1301	ENGR 492	ENGR 4392	GEOG 646	GEOG 6346
ENG 102	ENGL 1302	ENGR 689	ENGR 6389	GEOG 647	GEOG 6347
ENG 211	ENGL 2327	ENSC 310	ENSC 3310	GEOG 648	GEOG 6348
ENG 212	ENGL 2328	ENSC 410	ENSC 4310	GEOG 649	GEOG 6349
ENG 221	ENGL 2322	ENSC 450	ENSC 4350	GEOG 650	GEOG 6350
ENG 222	ENGL 2323	FIN 320	FINA 3320	GEOG 651	GEOG 6351
ENG 289	ENGL 2389	FIN 321	FINA 3321	GEOG 652	GEOG 6352
ENG 300	ENGL 3300	FIN 322	FINA 3322	GEOG 655	GEOG 6355
ENG 306	ENGL 3306	FIN 323	FINA 3323	GEOG 658	GEOG 6358
ENG 310	ENGL 3310	FIN 331	FINA 3331	GEOG 689	GEOG 6389
ENG 311	ENGL 3311	FIN 345	FINA 3345	GEOG 699	GEOG 6699
ENG 325	ENGL 3325	FIN 421	FINA 4321	GERM 101	GERM 1311
ENG 330	ENGL 3330	FIN 430	FINA 4340	GERM 102	GERM 1412
ENG 332	ENGL 3332	FIN 445	FINA 4345	HIST 101	HIST 1301
ENG 333	ENGL 3333	FIN 489	FINA 4389	HIST 102	HIST 1302
ENG 340	ENGL 3340	FIN 491	FINA 4391	HIST 201	HIST 2311
ENG 341	ENGL 3341	FIN 492	FINA 4392	HIST 202	HIST 2312
ENG 352	ENGL 3352	FIN 600	FINA 6300	HIST 312	HIST 3312
ENG 361	ENGL 3361	FIN 620	FINA 6320	HIST 323	HIST 3323
ENG 362	ENGL 3362	FIN 622	FINA 6322	HIST 324	HIST 3324
ENG 371	ENGL 3371	FIN 689	FINA 6389	HIST 326	HIST 3326
ENG 372	ENGL 3372	FIN 691	FINA 6391	HIST 331	HIST 3331
ENG 389	ENGL 3389	FRCH 101	FREN 1411	HIST 332	HIST 3332
ENG 401	ENGL 4301	GEOG 201	GEOG 2301	HIST 351	HIST 3351
ENG 402	ENGL 4302	GEOG 202	GEOG 2302	HIST 353	HIST 3353

HIST 371	HIST 3371	KINE 430	KINE 4330	MCOM 451	MCOM 4351
HIST 391	HIST 3391	KINE 440	KINE 4340	MCOM 491	MCOM 4391
HIST 411	HIST 4311	KINE 450	KINE 4350	MCOM 492	MCOM 4392
HIST 412	HIST 4312	KINE 460	KINE 4360	MNGT 175	BUSI 1301
HIST 427	HIST 4327	KINE 462	KINE 4362	MNGT 310	MNGT 3310
HIST 429	HIST 4329	KINE 470	KINE 4370	MNGT 311	MNGT 3311
HIST 435	HIST 4335	KINE 489	KINE 4389	MNGT 312	MNGT 3312
HIST 436	HIST 4336	KINE 491	KINE 4391	MNGT 315	MNGT 3315
HIST 439	HIST 4339	KINE 492	KINE 4392	MNGT 320	MNGT 3320
HIST 441	HIST 4341	LEAD 101	LEAD 1301	MNGT 322	MNGT 3322
HIST 442	HIST 4342	MATH 098	MATH 0398	MNGT 340	MNGT 3340
HIST 443	HIST 4343	MATH 099	MATH 0399	MNGT 366	MNGT 3366
HIST 451	HIST 4351	MATH 101	MATH 1332	MNGT 370	MNGT 3370
HIST 452	HIST 4352	MATH 102	MATH 1333	MNGT 389	MNGT 3389
HIST 453	HIST 4353	MATH 151	MATH 2412	MNGT 457	MNGT 4357
HIST 454	HIST 4354	MATH 152	MATH 2413	MNGT 460	MNGT 4360
HIST 455	HIST 4355	MATH 181	MATH 1324	MNGT 475	MNGT 4375
HIST 457	HIST 4357	MATH 182	MATH 1325	MNGT 489	MNGT 4389
HIST 458	HIST 4358	MATH 251	MATH 2414	MNGT 491	MNGT 4391
HIST 461	HIST 4361	MATH 252	MATH 2415	MNGT 492	MNGT 4392
HIST 462	HIST 4362	MATH 261	MATH 2320	MNGT 600	MNGT 6300
HIST 463	HIST 4363	MATH 300	MATH 3300	MNGT 610	MNGT 6210
HIST 468	HIST 4368	MATH 301	MATH 3301	MNGT 612	MNGT 6312
HIST 473	HIST 4373	MATH 305	MATH 3305	MNGT 615	MNGT 6315
HIST 474	HIST 4374	MATH 310	MATH 3310	MNGT 660	MNGT 6360
HIST 475	HIST 4375	MATH 315	MATH 3315	MNGT 661	MNGT 6361
HIST 476	HIST 4376	MATH 329	MATH 3329	MNGT 666	MNGT 6366
HIST 479	HIST 4379	MATH 331	MATH 3431	MNGT 689	MNGT 6389
HIST 491	HIST 4391	MATH 350	MATH 3350	MNGT 691	MNGT 6391
HIST 611	HIST 6311	MATH 360	MATH 3360	MRKT 300	MRKT 3300
HIST 614	HIST 6314	MATH 400	MATH 4300	MRKT 312	MRKT 3312
HIST 647	HIST 6347	MATH 401	MATH 4301	MRKT 315	MRKT 3315
HIST 654	HIST 6354	MATH 410	MATH 4410	MRKT 316	MRKT 3316
HIST 655	HIST 6355	MATH 425	MATH 4325	MRKT 407	MRKT 4307
HIST 656	HIST 6356	MATH 470	MATH 4370	MRKT 408	MRKT 4308
HIST 661	HIST 6361	MATH 489	MATH 4389	MRKT 409	MRKT 4309
HIST 663	HIST 6363	MATH 490	MATH 4390	MRKT 414	MRKT 4314
HIST 668	HIST 6368	MATH 491	MATH 4391	MRKT 419	MRKT 4319
HIST 673	HIST 6373	MATH 601	MATH 6301	MRKT 420	MRKT 4320
HIST 678	HIST 6378	MATH 610	MATH 6310	MRKT 421	MRKT 4321
HIST 679	HIST 6379	MATH 615	MATH 6315	MRKT 422	MRKT 4322
HIST 691	HIST 6391	MCOM 179	MCOM 1279	MRKT 457	MRKT 4357
HIST 699	HIST 6699	MCOM 201	MCOM 2301	MRKT 459	MRKT 4359
KINE 101	KINE 1301	MCOM 289	MCOM 2389	MRKT 489	MRKT 4389
KINE 109	KINE 1109	MCOM 303	MCOM 3303	MRKT 491	MRKT 4391
KINE 159	KINE 1159	MCOM 307	MCOM 3307	MRKT 492	MRKT 4392
KINE 201	KINE 2306	MCOM 313	MCOM 3313	MRKT 600	MRKT 6300
KINE 289	KINE 2389	MCOM 318	MCOM 3318	MRKT 610	MRKT 6310
KINE 310	KINE 3310	MCOM 326	MCOM 3326	MRKT 612	MRKT 6312
KINE 330	KINE 3330	MCOM 341	MCOM 3341	MRKT 689	MRKT 6389
KINE 340	KINE 3340	MCOM 342	MCOM 3342	MRKT 691	MRKT 6391
KINE 350	KINE 3350	MCOM 344	MCOM 3344	MUS 101	MUSI 1306
KINE 351	KINE 3351	MCOM 345	MCOM 3345	MUS 189	MUSI 1389
KINE 360	KINE 3360	MCOM 391	MCOM 3391	NTSC 401	NTSC 4301
KINE 370	KINE 3370	MCOM 392	MCOM 3392	NTSC 411	NTSC 4311
KINE 389	KINE 3389	MCOM 405	MCOM 4305	NTSC 412	NTSC 4312
KINE 400	KINE 4300	MCOM 410	MCOM 4310	PHED 601	PHED 6301
KINE 410	KINE 4310	MCOM 412	MCOM 4312	PHED 620	PHED 6320
KINE 420	KINE 4320	MCOM 415	MCOM 4315	PHED 622	PHED 6322
KINE 425	KINE 4325	MCOM 429	MCOM 4329	PHED 623	PHED 6323

PHED 660	PHED 6360	PSYC 493	PSYC 4393	SOC 650	SOCI 6350
PHED 661	PHED 6361	PSYC 601	PSYC 6301	SOC 679	SOCI 6379
PHED 663	PHED 6363	PSYC 602	PSYC 6302	SPAN 101	SPAN 1411
PHED 665	PHED 6365	PSYC 604	PSYC 6304	SPAN 102	SPAN 1412
PHED 680	PHED 6380	PSYC 605	PSYC 6305	SPAN 201	SPAN 2311
PHED 682	PHED 6382	PSYC 612	PSYC 6312	SPAN 202	SPAN 2312
PHED 689	PHED 6389	PSYC 621	PSYC 6321	SPAN 289	SPAN 2389
PHED 691	PHED 6391	PSYC 622	PSYC 6322	SPAN 301	SPAN 3301
PHED 698	PHED 6398	PSYC 623	PSYC 6323	SPAN 302	SPAN 3302
PHED 699	PHED 6399	PSYC 624	PSYC 6324	SPAN 311	SPAN 3311
PHIL 104	PHIL 1301	PSYC 630	PSYC 6330	SPAN 321	SPAN 3321
PHIL 201	PHIL 2305	PSYC 641	PSYC 6341	SPAN 331	SPAN 3331
PHIL 202	PHIL 2306	PSYC 642	PSYC 6342	SPAN 401	SPAN 4301
PHIL 405	PHIL 4305	PSYC 643	PSYC 6343	SPAN 402	SPAN 4302
PHIL 491	PHIL 4391	PSYC 650	PSYC 6350	SPAN 411	SPAN 4311
PHYS 221	PHYS 2425	PSYC 651	PSYC 6351	SPAN 431	SPAN 4331
PHYS 222	PHYS 2426	PSYC 671	PSYC 6371	SPAN 437	SPAN 4337
PLSC 201	PLSC 2301	PSYC 689	PSYC 6389	SPAN 451	SPAN 4351
PLSC 202	PLSC 2302	PSYC 691	PSYC 6391	SPAN 452	SPAN 4352
PLSC 289	PLSC 2389	PSYC 692	PSYC 6692	SPAN 459	SPAN 4359
PLSC 321	PLSC 3321	PSYC 695	PSYC 6395	SPAN 469	SPAN 4369
PLSC 335	PLSC 3335	PSYC 699	PSYC 6699	SPAN 478	SPAN 4378
PLSC 336	PLSC 3336	SOC 101	SOCI 1301	SPAN 489	SPAN 4389
PLSC 389	PLSC 3389	SOC 201	SOCI 1306	SPAN 491	SPAN 4391
PLSC 391	PLSC 3391	SOC 210	SOCI 2310	SPAN 631	SPAN 6331
PLSC 412	PLSC 4312	SOC 312	SOCI 3112	SPCH 101	SPCH 1315
PLSC 427	PLSC 4327	SOC 317	SOCI 3317	SPCH 102	SPCH 1316
PLSC 431	PLSC 4331	SOC 345	SOCI 3145	SPCH 179	SPCH 1379
PLSC 433	PLSC 4333	SOC 347	SOCI 3147	SPCH 210	SPCH 2310
PLSC 435	PLSC 4335	SOC 350	SOCI 3350	SPCH 220	SPCH 2350
PLSC 447	PLSC 4347	SOC 365	SOCI 3365	SPCH 240	SPCH 2340
PLSC 451	PLSC 4351	SOC 370	SOCI 3370	SPCH 289	SPCH 2389
PLSC 454	PLSC 4354	SOC 389	SOCI 3389	SPCH 335	SPCH 3335
PLSC 489	PLSC 4389	SOC 390	SOCI 3390	SPCH 340	SPCH 3340
PLSC 491	PLSC 4391	SOC 391	SOCI 3391	SPCH 345	SPCH 3345
PSYC 101	PSYC 1301	SOC 403	SOCI 4303	SPCH 346	SPCH 3346
PSYC 301	PSYC 3301	SOC 405	SOCI 4305	SPCH 350	SPCH 3350
PSYC 303	PSYC 3403	SOC 415	SOCI 4315	SPCH 389	SPCH 3389
PSYC 304	PSYC 3404	SOC 420	SOCI 4320	SPCH 391	SPCH 3391
PSYC 311	PSYC 3311	SOC 425	SOCI 4325	SPCH 392	SPCH 3392
PSYC 321	PSYC 3321	SOC 427	SOCI 4327	SPCH 406	SPCH 4306
PSYC 322	PSYC 3322	SOC 431	SOCI 4331	SPCH 456	SPCH 4356
PSYC 341	PSYC 3341	SOC 432	SOCI 4332	SPCH 491	SPCH 4391
PSYC 343	PSYC 3343	SOC 433	SOCI 4333	SWK 380	SOCW 3380
PSYC 391	PSYC 3391	SOC 434	SOCI 4344	SWK 382	SOCW 3382
PSYC 402	PSYC 4302	SOC 448	SOCI 4348	SWK 385	SOCW 3385
PSYC 404	PSYC 4304	SOC 450	SOCI 4350	SWK 420	SOCW 4320
PSYC 405	PSYC 4305	SOC 460	SOCI 4360	SWK 422	SOCW 4322
PSYC 407	PSYC 4307	SOC 462	SOCI 4362	SWK 492	SOCW 4392
PSYC 411	PSYC 4311	SOC 465	SOCI 4365	TASP 099	TASP 0399
PSYC 412	PSYC 4312	SOC 470	SOCI 4370	THEA 201	DRAM 2301
PSYC 441	PSYC 4341	SOC 480	SOCI 4380	THEA 202	DRAM 2302
PSYC 445	PSYC 4345	SOC 489	SOCI 4389	THEA 302	DRAM 3302
PSYC 451	PSYC 4351	SOC 491	SOCI 4391	THEA 360	DRAM 3360
PSYC 460	PSYC 4360	SOC 493	SOCI 4393	THEA 361	DRAM 3361
PSYC 471	PSYC 4371	SOC 494	SOCI 4394	THEA 370	DRAM 3370
PSYC 481	PSYC 4381	SOC 499	SOCI 4399	THEA 440	DRAM 4340
PSYC 489	PSYC 4389	SOC 627	SOCI 6327	THEA 479	DRAM 4379
PSYC 491	PSYC 4391	SOC 644	SOCI 6344		

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