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THE *U*NIVERSITY OF *T*EXAS
OF THE
*P*ERMIAN *B*ASIN



*C*ATALOG 1993-95

CATALOG 1993-95



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Dean of the College of Health, Behavior, and Society

The mission of The University of Texas of the Permian Basin is to provide to students opportunities for realization of their fullest potential both personally and professionally. The educational experience at UT Permian Basin offers students opportunities to develop powers of judgment and to mature both emotionally and intellectually. This experience provides opportunities whereby students may prepare themselves to earn a satisfactory livelihood and to make a worthwhile contribution to the nation's social and economic life.

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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.

Equal Opportunity Statement

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

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



University Administration

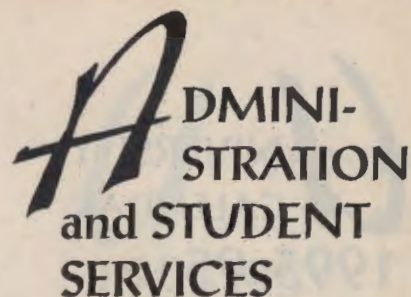
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U NIVERSITY
CALENDAR
1993-95

University Calendar

Fall Semester, 1993

August 26	New and returning Freshmen registration 3 p.m. - 7 p.m.
August 27	New and returning student registration 9 a.m. - 1 p.m. & 3 p.m. - 7 p.m.
August 30	Classes begin
August 30	First day of late registration
August 30	First day of drop/add
September 3	Last day of late registration
September 3	Last day to add a course
September 3	Last day to add contract study courses
September 6	Labor Day - classes dismissed
September 14	Last day to drop a course with a 100% refund
September 14	Last day to file for graduation
September 14	Last day to drop without creating an academic record
November 5	Last day to drop or withdraw
November 17	Last day to submit Master's thesis and reports to committee
November 19	Last day to add self-paced courses
November 24	Last day to take oral exams (graduate students)
November 24	Thanksgiving Holiday begins at 5 p.m.
November 25-26	Thanksgiving Holiday
November 29	Classes resume 8 a.m.
December 10	Last regular class day
December 10	Last day to submit final copies of approved thesis or report to Graduate Studies Office
December 13-16	Final Exams
December 17	Semester Ends
December 18	Commencement

University Calendar

Spring Semester, 1993

January 10	New and returning Freshmen registration 3 p.m. - 7 p.m.
January 11	New and returning student registration 9 a.m. - 1 p.m. & 3 p.m. - 7 p.m.
January 12	Classes begin
January 12	First day of late registration
January 12	First day of drop/add
January 17	Martin Luther King Day - classes dismissed No late registration
January 19	Last day of late registration
January 19	Last day to add a course
January 19	Last day to add contract study courses
January 28	Last day to drop a course with a 100% refund
January 28	Last day to file for graduation
January 28	Last day to drop without creating an academic record
March 14-18	Spring Break
March 25	Last day to drop or withdraw
April 8	Good Friday - afternoon classes dismissed
April 8	Last day to submit Master's thesis and reports to committee
April 8	Last day to add self-paced courses
April 15	Last day to take oral exams (graduate students)
April 29	Last regular class day
April 29	Last day to submit final copies of approved thesis or report to Graduate Studies Office
May 2-5	Final exams
May 6	Semester ends
May 7	Commencement

The University

The University of Texas of the Permian Basin is a general academic component of The University of Texas System. As a component institution of The University of Texas System, the university is committed to pursue high standards of achievement in instruction, student performance, research and scholarly accomplishment.

Within an environment of academic freedom, students learn from faculty scholars who have in-depth expertise in the arts, the sciences, and the professions of business, engineering, and teacher education. The faculty engage in research and creative activity, both to develop and maintain their own scholarly expertise and to extend human knowledge. The results of that research and creative work are made available to students in the classroom and to the general public through publications and public service activities.

At the core of the university curriculum are the arts and the sciences, those academic disciplines common to nearly all colleges and universities in the United States. Courses are offered in these disciplines to support a general liberal education at the baccalaureate level. In addition, degree programs through the master's level are offered in many discipline categories.

As a state-supported public institution, the university is open to all citizens of the state who meet the academic standards for admission. Although some students from outside the State are admitted, the majority of the students come from the geographic area in which the institution is located. Degree programs and course offerings beyond those in the arts and sciences core are selected primarily to meet the needs and desires of the citizens of this region.

While the region has no specific boundaries, it is useful to think of it in terms of the seven county region surrounding the Odessa/Midland area, a region which grew by 16 percent between 1970 and 1980 to a population of approximately 300,000. The Permian Basin, with its enormous petroleum industry, puts special demands on the university's curriculum, as well as on its research and service efforts.

To support the social, cultural and economic development of this region, the university believes it is desirable to offer programs through the master's level in business, education, and some aspects of engineering in addition to those in the arts and sciences core.

Many of the people who are served by The University of Texas of the Permian Basin must schedule their involvement with the university around a variety of personal and professional activities. They attend the university as part-time students, and some are employed full time. For many, U T Permian Basin provides the only access to higher education because of their other commitments within the region. This access is particularly important to their employers. Consequently, the university continually strives to identify and respond to those special regional needs. Special scheduling and some special services are needed to make the resources of the university most useful to this segment of the community.

The University



While the faculty engage in research and scholarly activity, many are engaged in sponsored research. This research not only strengthens the scholarly base of the instructional program but also serves the direct needs of the sponsors. Of particular note is the university's special research strength in energy-related business.

The University of Texas of the Permian Basin is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award Bachelor's and Master's degrees.

Application Procedures Where to Apply

Students wishing to apply for admission should obtain an admission packet from:

The Office of Admissions
4901 E. University #8422
Odessa, TX 79762-0001
(915) 367-2210

Letters of inquiry should note status as a new or former student, first-time freshman or transfer student, graduate or undergraduate and international student.

When to Apply

First-time entering freshmen must have all necessary credentials such as application forms, official high school transcript showing class rank and date of graduation, required college entrance exam scores (SAT or ACT), etc., by the following deadlines in order to be processed for admission:

FALL SEMESTER July 15 **SPRING SEMESTER** November 15
SUMMER TERM April 15

How to Apply

Transfer Students (those with 30 semester hours or more), are advised to apply for admission several months in advance of the first semester in which they wish to enroll. Applications for admission are processed on a "rolling basis." This means that admissions decisions are made and applicants notified within a week or two of receipt of all necessary admission documents.

High School Graduates - All applicants seeking admission must complete and submit an application for admission. Students admitted to the first semester of college work must have graduated from an accredited high school. To apply, students must present satisfactory scores on the Scholastic Aptitude Test (SAT) of the College Board or the American College Testing (ACT) Program according to rank in their high school graduating class, an application for admission, and a transcript showing their high school credits and rank in their graduating class.

A transcript showing approximate rank in class should be sent after completion of the junior year. A final transcript must be sent upon graduating.

Transfers - Students who have enrolled in one or more colleges prior to applying to UT Permian Basin must complete and submit an application for admission and request from the registrar at **each** college previously attended that an official transcript of all work attempted be sent to the Office of Admissions, UT Permian Basin. Students who have earned 29 or fewer hours of college credit should follow the procedure outlined for high school graduates; and, must have a 2.0 grade point average in college work completed.

Former students - Students who have attended UT Permian Basin but **did not** enroll in the immediate past two semesters (summer sessions not included) must notify the Admissions Office of their intentions to return to UT Permian Basin and must reapply for admission. Students who have enrolled in another college since attending UT Permian Basin must submit official transcripts of all work completed.

Admissions

Students who have not attended UT Permian Basin for three years or longer must complete a new admission application and request current official transcripts from EVERY institution previously attended, except UT Permian Basin.

Change of educational objective Students who have graduated or are scheduled to graduate from UT Permian Basin and wish to enroll in a subsequent term to pursue another educational objective **MUST** complete a new admission application. (Example: Students returning after graduating to complete teacher certification requirements, students seeking a second bachelor's or a master's degree.)

Freshman Admission applicants must meet the high school unit requirements and class standing and test score standards as shown below:

Texas Residents

Top 25% - No minimum score, but scores must be submitted.

	SAT	ACT
2nd quarter	700	15
3rd quarter	800	19
4th quarter	1000	24

ENGLISH - 4 UNITS

Required: Four units of English, one of which may be writing, world literature, or journalism.

Strongly recommended: The fourth unit of English should include the development of

MATH - 3 UNITS

Required: Algebra I & II, Geometry or Trigonometry

Strongly recommended: Students planning to enter scientific, engineering or business fields are advised to take at least **four** units at the level of Algebra I and higher. The additional units can be counted as electives.

SCIENCE - 2 UNITS

Strongly recommended: Students planning to enter scientific or engineering fields are advised to take at least **three** units, including chemistry and physics. The additional unit can be counted as an elective.

SOCIAL STUDIES - 3 UNITS

Required: U.S. History - 1 yr; American Government - 1/2 yr.; Economics - 1/2 yr.

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

FOREIGN LANGUAGE - 2 UNITS or additional science or mathematics

**Requirements
for Admission**

High School Units

Admissions

ELECTIVES - 6 UNITS

Any units beyond the required minimum may be counted as electives with the exception of drill subjects (e.g., driver training, military training).

Strongly recommended: One half unit of fine arts (theater arts, art, music, or dance).

Freshman applicants graduating from non-accredited high schools or home schools must have scored 1000 or more on the SAT or 24 or more on the ACT and show evidence of meeting the high school unit requirements.

Freshman applicants with GED certificates must have scored 1000 or more on the SAT or 24 or more on the ACT; be 18 years of age or older; have taken the University's diagnostic tests for composition, reading, and mathematics; and show evidence of meeting high school unit requirements by having an average GED score of 45 or above with no individual score lower than 40.

Transfer students are defined as any students new to UT Permian Basin who have ever enrolled at another college or university prior to attendance at UT Permian Basin and who have completed 30 semester hours or more of college-level work.

UT Permian Basin evaluates credit **only** from generally recognized academic institutions with regional accreditation. Applicants must submit records of **all** accredited institutions attended, even if they do not wish to transfer the credit to UT Permian Basin.

Transfer students with 30 or more semester hours of college work must:

1. have a minimum grade point average of 2.0 (C) or better on a 4.0 grading system;
2. submit an application for admission;
3. provide an official transcript from each college or university attended; and
4. be eligible to re-enroll in the colleges previously attended.

Alternative Admission

Provisional admission may be granted to residents of Texas who have graduated from an accredited high school, who are not eligible for regular admission, and who may have not taken any previous college courses. They may be allowed to enroll during the summer session immediately following high school graduation or the next spring semester following graduation.

Students who are admitted provisionally must complete twelve or more hours with grades of "C" or better in each course to be removed from provisional status. Students must select courses from at least two of the following areas: English, mathematics, natural sciences, social sciences, humanities, and foreign languages.

Provisional students who are deficient in high school units or who fail one or more parts of the Texas Academic Skills Program (TASP) test or University diagnostic tests may be required to take courses to make up for deficiencies and/or courses for remediation. (See Section V. regarding TASP.)

Admissions

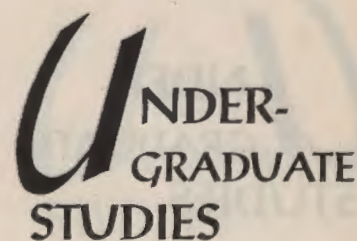
Applicants should apply for admission at least six months and no later than three months before the anticipated enrollment date and should arrange to have test scores and academic records in the Office of Admission **no later than 60 days** before the enrollment date. Verification of credentials may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

UT Permian will not issue immigration papers (I-20 or IAP66) for student visas until all admission credentials have been received and approved. For more information contact the International Student Adviser at (915) 367-2210. **There is no application fee**, but this is subject to change. All international students are considered non-resident students.

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

1. Yearly secondary school records and national examination results must be submitted.
2. Certified transcripts of student's academic record (mark sheets) from universities previously attended in the home country must be submitted. Both a copy of the official foreign academic record and an official English translation must be included. Moreover, where university level studies are to be considered for possible undergraduate transfer credit, a syllabus, catalog or similar bulletin must be submitted which describes the courses in sufficient detail for proper evaluation.
3. Signed statements guaranteeing the student's ability to pay expenses while at UT Permian Basin must be accompanied by documentation supporting the statement in the form of a current letter from a bank or other reliable institution or from the sponsor's employer. (Photostatic copies of support statements furnished to meet another university's requirements are not acceptable.) **The University has no financial aid available for international students.**
4. In addition to the sponsor's letter guaranteeing support, a \$6,000 deposit is required for students from certain countries. Contact the Admissions Office for a list of these countries.
5. Test of English as a Foreign Language (TOEFL) scores must be submitted before admission will be granted. Minimum score for admission consideration is 550. Information concerning the TOEFL may be obtained by writing to: TOEFL, Box 899, Princeton, NJ 08540. (UT Permian Basin institution number: 6914)
6. It is compulsory for international students on F-1 visas to carry medical and hospitalization and repatriation insurance for themselves. Proof of insurance must be submitted prior to an I-20 being issued. Insurance for dependents is optional.
7. Students on F-1 visas do not normally have employment privileges. Government regulations require international students to certify that they have finances deemed sufficient by the university to pursue a full course of study without employment. Thus, international students should not expect to support themselves through employment while attending the University.

Admissions



8. Holders of F-1 student visas must enroll for a full load of study. For undergraduate students or "undergraduate to qualify for graduate studies," the minimum load is 12 semester hours; and, nine for graduate students. For students NOT planning on enrolling during the summer sessions, full-time enrollment should be 15 and 12 semester hours respectively.
9. Students wishing admission to graduate programs must comply with all of the above requirements in addition to the graduate studies requirements.
10. Students transferring from a U. S. college or university must have the former international student advisor (or equivalent) complete Form FS2-73. These forms are available from the Admissions Office.

TRANSFER ADMISSIONS. Transfer admissions from universities within the United States will be processed only for those students that have completed one full year (30 semester hours) or more of studies. The Immigration and Naturalization Service (INS) must be notified when an international student transfers from one U.S. institution to another. With recent changes in INS regulations, a transferring international student must process the transfer with the institution to which the student is transferring, not with the previous institution. However, if a student is **out of status** with INS, that student must reinstate him/herself with INS before being allowed to enroll at UT Permian Basin. Questions regarding a student's immediate immigration status must be directed to the international student adviser.

It is entirely the student's responsibility to obtain the correct visa and to maintain the 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 IAP66 are understood **before** signing it.

Transfer of Credit

Undergraduate. As many of 66 semester hours of coursework previously completed at the freshman/sophomore level may be applied toward a degree from UT Permian Basin. No commitment will be made by UT Permian Basin as to the applicability of such work until official records have been received and evaluated. Coursework shown on transcripts from other academic institutions is subjected to two separate evaluations:

1. **For Admission.** Coursework is evaluated to determine the transferable credit for admission purposes. This evaluation is performed by the admissions officers during the admission procedure.
2. **Applicability toward degree requirements.** Coursework is evaluated to determine whether the student's lower level courses provide the necessary preparation for upper level courses at UT Permian Basin and to determine the applicability of previous upper level coursework towards degree requirements at UT Permian Basin. This evaluation is performed by an academic advisor in the student's chosen field of study.

It should be noted that at least 120 hours of applicable college credits are required for the bachelor's degree; however, the requirements specific to a major area of concentration may result in a degree plan that exceeds that number. In short, the undergraduate degree-seeking student should approach a career at UT Permian Basin not in terms of what has been done elsewhere but in terms of what remains to be done at UT Permian Basin.

General Regulations

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 UT Permian Basin on the same level and with the corresponding number of credit hours earned at another institution. Courses taken at the freshman/sophomore level cannot transfer as upper division (junior or senior) credits. Grades are never lowered in transfer. D grades may be included in the total number of credit hours to be accepted for transfer to UT Permian Basin. No D grades, however, will 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.

Transfer of Credit

5. Sectarian courses in religion are counted for admission purposes only but do not apply toward degree requirements. However, courses in the philosophy of religion or the Bible as a literary work are applicable as free electives.
6. Vocational and technology courses are not accepted as transfer credit by the Admissions Officer. Acceptance of some of these courses will be determined on an individual course basis by the faculty advisor with the approval of the Division Director. In most cases, none or a very limited number of these courses will be applicable toward a degree.
7. Except for kinesiology majors, a maximum of 4 credit hours will be accepted in physical activity courses toward admission requirements and total credits toward degree. A maximum of 4 upper level credits in ROTC can be accepted in lieu of physical education.
8. If The University of Texas of the Permian Basin does not accept lower division course credit earned by a student at another institution of higher education, UT 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, UT 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.

Junior/Community College degree programs do not always apply towards a degree program at UT Permian Basin. For a smooth transfer from a junior/community college to UT Permian Basin, it is suggested that the student seek advice on course elections from a UT Permian Basin faculty member in the prospective field of study or from the UT Permian Basin Office of Admissions, prior to the sophomore year at the junior/community college. This advice may help avoid unnecessary courses and ensure that all of the proper courses prerequisite to the UT Permian Basin degree program are taken.

Courses will transfer from junior/community colleges under the following conditions:

1. Courses taken at a junior/community college cannot transfer as upper division (junior or senior) credits.

Junior/Community College Transfer Regulations

Transfer of Credit

Upper Level Transfer Regulations

2. While there is no limit to the number of credits transferable from a junior/community college, it is strongly recommended that students not exceed 66 semester hours of freshman/sophomore coursework since a student must earn a minimum of 54 semester hours of upper level course work for a bachelor's degree. Of these, 30 semester hours must be completed at UT Permian Basin.
3. The approved 'Transfer Curricula' courses will transfer as described by the Coordinating Board rules and regulations.

Students who have completed 60 semester credit hours are usually admitted with junior standing. A student may be admitted with senior standing if 90 transferable credit hours have been completed and a minimum of 24 of those credits are in upper level courses. Students with upper level credit should note:

1. Normally, only courses with a grade of C or better will apply toward a degree.
2. A minimum of 30 semester credit hours must be completed at UT Permian Basin in order to earn a bachelor's degree. Of these, the last 24 credit hours must be in residence.

Correspondence and Extension Credit

The University of Texas of the Permian Basin does not offer correspondence courses. A student may apply toward a bachelor's degree 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:

1. 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.
2. A maximum of six semester hours in the major may be correspondence credit.
3. The Division of Business Administration does not accept transfer of any upper level business courses taken by correspondence.

Evaluation of Transfer Credit

Transfer credit is evaluated by the Admissions Officer at the time the student is admitted to the university. Credit is further 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.

Transfer of Credit

Transfer Curricula and Resolution of Transfer Disputes for Lower Division Courses.
The following procedures (as outlined in the Texas Higher Education Coordination Board rule Chapter 5, Subchapter A, Section 5.4) shall be followed by public institutions of higher education in the resolving disputes involving transfer of lower division courses.

If a public institution of higher education does not accept course credit earned by a student at another institution of higher education, that institution shall give written notice to the student and the other institution that transfer course of the credit is denied.

The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with the Coordinating Board rules and/or guidelines.

If the transfer dispute is not resolved to the satisfaction of the student within 45 days after the date the student received written notice of the denial, the institution that denies the transfer of the course shall notify the Commissioner of Higher Education, or the Commissioner's designee, who 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.

Financial Aid

The University of Texas of the Permian Basin recognizes that many students who wish to attend college do not have the financial resources available to pay the cost of higher education. The Office Financial Aid operates to assist students in obtaining the necessary resources from federal, state, and private sources.

To obtain financial assistance, the University requires all financial aid applicants to complete the current year application packet. This packet consists of two basic forms: the UT Permian Basin Scholarship and Financial Assistance Application and the Free Application for Federal Student Aid (FAFSA). The UT 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 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 February. Applications completed prior to April 1 will be given priority consideration for available aid. After April 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 Financial Aid. In some cases, students may be required to submit supporting documentation to verify aid eligibility. Applications for these students will not be considered complete until the required supporting documentation is in the Office of Financial Aid.

The Office of Financial Aid notifies the student of what aid is available and how it will be disbursed by means of an award letter. The award letter is the official notice of eligibility and must be signed, each program initialed for acceptance, and returned to the Office of Financial Aid before funds can be released.

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. The student must accept the offer of the award, complete any additional program applications (i.e., a student loan application), and meet enrollment and academic progress requirements at the time the money is ready to be disbursed 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 Financial Aid as soon as possible so that the award can be included in the student's package. Failure to notify the office could result in an overaward and require the repayment of need-based money already received.

The university participates in a number of assistance programs to provide an optimum availability of help for our students. These programs can be divided into four basic types of financial aid: grants, scholarships, loans, and employment. Grants and scholarships

Financial Aid

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 description of some of the programs in which the university participates. For further information about these programs and other available assistance, contact the Office of Financial Aid and request a copy of the *Guide to Scholarships and Other Financial Assistance at The University of Texas of the Permian Basin*.

Scholarships are privately funded 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 leadership quality.

The **American Petroleum Institute** has established a program at the university which is available to full-time students who are Permian Basin residents. Recipients must maintain a 3.00 grade point average and pursue a course of study related to the petroleum industry. Financial need, along with character, leadership, and a desire to excel are requirements. An annual renewal application is required. The award is available to undergraduate and graduate students.

The **Warren Burnett Scholarship** has been established to help minority women with their education pursuits. Merit and need are considered in the awarding of these funds, and the amount of the award ranges up to \$1000 per academic year. Only undergraduate women are eligible.

The **Edwin B. Kurtz Scholarship** has been established to honor the former professor of life sciences. The award is reserved for students studying in an area of pre-health professions. The award is available for undergraduates; graduate students may be considered, based upon individual circumstances.

The generosity of Ellen Noel and her late husband, W.D. Noel, provides for the **Noel Scholarship Program**. While the Noel "A" award is only for certain dependents of employees of a business started by Mr. Noel, the Noel "B" award is for Ector County, Texas, residents. The scholarship may be applied to tuition, fees, and books. Both award categories require annual renewal application. Undergraduates and graduates are eligible to apply.

The **Mrs. Paul Moss Journalism Scholarship** for students with outstanding abilities in mass communications. An annual renewal application is required.

The **Nojem Libson Scholarship** provides awards of \$200-\$300 each semester to members of an ethnic minority. Preference is given to Odessa College transfer students in undergraduate programs. An annual renewal application is required.

The **Permian Honor Scholarship Foundation** is a non-profit enterprise which makes honor scholarships available to students to attend area community colleges and UT Permian Basin. Additional information may be obtained by writing the foundation in care of UT Permian Basin. Funds are available for both graduates and undergraduates.

Financial Aid and Scholarships

Financial Aid

The **U. T. Permian Basin Merit Award** annually recognizes outstanding students. Awards can vary up to \$400 per semester. An annual renewal application and a minimum 3.00 grade point average are required to continue in this program. This fund is reserved for undergraduates only.

The university would also like to recognize the following organizations for their continuing support in providing scholarship assistance to many students to attend UT Permian Basin:

American Association of University Women, Midland Chapter
American Association of University Women, Odessa Chapter
Data Processing Management Association
Lavelle Thomas Memorial Fine Arts Scholarship
Mary Gibb and Jesse H. Jones/Houston Endowment
Mexican-American Scholarship Committee (MASC)
Permian Basin Advertising Federation
Permian Historical Society
State Society of CPA's, Local Chapter

Grants are publicly funded programs that provide gift aid which does not have to be repaid. Grants are usually awarded on the basis of a need analysis of the student's family income.

Grants

The **Federal Pell Grant Program** is the largest of the gift aid programs under Federal Title IV assistance. It provides the foundation for all needs-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 Financial Aid.

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

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

The **Texas Public Education State Student Incentive Grant Program (SSIG)** is a cooperative federal/state program. This grant is awarded to current TPEG recipients and is designed to assist students with exceptional need. Recipients must be eligible for Federal Title IV assistance and otherwise eligible to pay Texas resident tuition. 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.

Financial Aid

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

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

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

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

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

Although state and national policy has established many objectives for student financial aid programs, one clear purpose is to fund only students who meet certain academic standards. Institutions are therefore required by law to formulate standards to gauge the progress of students receiving 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.

Loans

Employment

Financial Aid

The time-frame established for the completion of a degree at The University of Texas of the Permian Basin is the equivalent of one and one-half times the published length of the program. For example, a student in a two year program will become ineligible to receive further financial aid funding if the program is not completed within three years (six semesters). A four year program must be complete within six years (twelve semesters). A student's entire enrollment history is considered when evaluating academic progress whether or not aid has ever been received.

In addition to the overall time frame, a financial aid recipient must also be making progress toward completing the program during each year by earning a cumulative minimum number of credit hours. Courses in which a "W", "WP", "WF", "D", "F", "U" has been recorded may be repeated once and be included in the funding level for financial aid (i.e., in the 12+ hours for full-time enrollment). Courses in which a grade of "C" or higher, "S", "I", "Z", or "PR" has been recorded will not be included in the funding level for financial aid. ENCORE courses cannot be funded with financial aid nor counted in the progress requirements.

Federal regulations specify that developmental courses may be included in the funding level for financial aid. These courses are numbered 099 in the catalog (i.e., ENG 099, Fundamentals of Composition). The regulations also stipulate that a student may receive funding for no more than one year on developmental courses. Therefore, each course numbered 099 may be repeated once and still receive financial aid funding provided all other progress requirements have been met.

The table below shows the cumulative minimum number of hours required for each year of a two-year and a four-year program:

Semester	1	2	3	4	5
Full-time (12+ hours)	16	38			
3/4-time (9-11 hours)	10	22	36	52	
1/2-time (6-8 hours)	8	18	28	38	48

**Minimum Required Credit Hours Earned At End Of Year
Two-Year Undergraduate Program**

Semester	1	2	3	4	5	6	7	8	9	10
Full-time (12+ hours)	15	30	52	76	100					
3/4-time (9-11 hours)	11	22	39	57	75	93	111			
1/2-time (6-8 hours)	8	16	26	38	50	62	74	86	98	110

**Minimum Required Credit Hours Earned At End Of Year
Four-Year Undergraduate Program-**

Financial Aid

In addition to a maximum time frame for completing the degree program, a student must also maintain a minimum qualitative standard of performance in the courses attempted. At The University of Texas of the Permian Basin this standard is measured by the cumulative grade point average (CGPA) of courses taken at the university.

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

1. A student failing to meet the minimum standards for the first time will be eligible to receive financial aid for the following semester on probation provided the student can be expected to improve his or her academic performance to the minimum standards required during the probationary semester 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 semester will be suspended from receiving any further financial aid.
3. A student placed on financial aid probation must attain minimum academic standards by the end of the probationary semester. Failure to remove the deficiencies will result in suspension for financial aid eligibility.
4. Attendance during summer session(s) will be evaluated in the same manner as attendance during a regular semester except where enrollment for the entire summer is less than six hours.

Graduate students. Students enrolled in the graduate program are also expected to meet quantitative and qualitative standards in order to be eligible to receive financial aid benefits.

Graduate students must pass all enrolled hours and maintain a minimum 3.00 CGPA to remain eligible for financial aid. Graduate students placed on academic probation will be placed on Financial Aid Probation also. Failure to attain minimum graduate progress standards during the probationary semester will result in Financial Aid Suspension.

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

The University recognizes that students sometimes encounter circumstances beyond their control that can adversely affect their academic progress. Any student subject to probation or suspension of financial aid eligibility may appeal to the Director of Financial

Financial Aid

Aid for a review of the decision. The appeal must be submitted in writing and include in the request an explanation and documentation of the reason(s) why the minimum academic standards required by this policy were not achieved. The student has the right to further appeal the decision of the Director of Financial Aid to a Financial Aid Review Board. The review board shall have the authority to uphold or overturn the suspension. The review board shall also have the authority to place conditions upon the receipt of any financial aid for those cases where aid is reinstated. The student will be notified by the Director of Financial Aid in writing within five working days of the review board's decision.

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

Off-campus employment. The PASS Office operates a centralized referral agency for students desiring to obtain employment off campus. This office maintains a listing of available jobs and employers as a service to both the student and the employer.

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

Texas Rehabilitation Assistance for Students. The Texas Rehabilitation Commission (TRC) offers assistance for tuition and nonrefundable fees to students having certain disabling conditions provided their vocational objectives have been approved by a TRC counselor. Examples of such conditions are orthopedic deformities, emotional disorders, diabetes, epilepsy, and heart conditions. Other services are also available to assist handicapped students in becoming employable. Application for such service should be made to: Texas Rehabilitation Commission 419 W. 4th Street Suite 701 Odessa, Texas 79761

Registration

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

All students who have not earned at least three university-level credit hours before Fall 1989 must, according to the Texas Education Code, take the TASP test before accumulating 9 university-level credit hours. This includes "any transfer student with fewer than 60 semester credit hours or the equivalent who has not previously taken tests." The TASP test is designed to determine whether or not students possess basic skills in reading, writing, and math necessary for success in university courses, based on state-established minimum criteria. Performance on the test can not be used as a condition of admission. The test fee is paid by the student. (If necessary, students may see Financial Aid for a fee waiver voucher.)

Students who have taken the TASP test but not yet passed all the three section by the beginning of any semester must enroll in developmental classes every semester until they retake and pass any failed section. Students who receive TASP scores after the beginning of the semester must report those scores to the Registrar's Office. At that time, failure on any section will require students to register for developmental activities. A student may not "enroll in any upper division course (the) completion of which would give the student 60 or more semester credit hours or the equivalent until the student's test results meet or exceed the minimum standard in all tests." Other assessment procedures may be used in exceptional cases to allow a student to enroll in upper division courses "in cases where student test results do meet minimum standards" (Texas Education Code), Sec. 51.306).

No student may withdraw from a developmental course except under extenuating circumstances and with the permission of the appropriate Dean. When students have taken all developmental courses required by UT Permian Basin policy in reading, writing, or math, and then failed a portion of the TASP test, they will be required to enroll again in remedial courses. Students will be permitted to withdraw from these courses only if they retake and pass the appropriate TASP section during the semester.

Courses numbered 099 are developmental in content. These courses may be required of students who do not pass all portions of the TASP exam or whose institutional placement test scores indicate a need for developmental preparation. Developmental courses do appear on the student's transcript but do not provide credit toward a degree. Students receiving financial aid should consult the Office of Financial Aid concerning the effect of developmental coursework on academic progress.

Students are encouraged to visit with faculty advisors during the fall and spring semesters 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 advance register for courses in the subsequent term. Advisors in all

Texas Academic Skills Program (TASP)

Registration

disciplines are available during open registration. Both the Office of Admissions and the office of the Registrar can assist students to identify and contact their faculty advisor. Dates of late registration can be found in the class schedule.

Students may not register for conventionally taught, partially self-paced or contract study courses after those dates. Students must be officially enrolled at UT Permian Basin in the semester in which they graduate.

International students must meet additional requirements dependent upon the type of visa they hold and other factors. Therefore, international students should contact the Office of Admissions for further information.

ENCORE

Persons who do not desire to pursue a degree or course credit may enroll in one or more regular courses at the university without declaring a major and a degree goal. These students may enroll as ENCORE students which allows them to attend the classes and participate in the discussion, studio and laboratory work. ENCORE students are not required to complete work outside the classroom or sit for exams. Upon completion of the course, the student will receive a grade of NG (no grade). Credit earned in this program does not count toward a degree and does not carry the university's sanction as transfer credit. Students may not register as ENCORE students for contract study, self-paced courses, thesis, research or practicum.

Regular students enrolled in the university also wanting to select one or more courses as ENCORE courses may do so but they should understand that the course will not transfer nor count toward a degree. The degree and credit regulations stated above also apply to students matriculated in a degree program.

Students applying for the ENCORE program are not required to meet all admission requirements. However, students that have been denied admission are not eligible to enroll in the ENCORE program. For further information about ENCORE, contact the Admissions Office.

Self-Paced Coursework

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

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

Registration

Students who wish to enroll concurrently at UT Permian Basin while attending another institution should apply for special admission if they have not completed necessary lower division courses. UT Permian Basin normally limits concurrent enrollment to community colleges. Students desiring credit for concurrent enrollment at another four-year or upper level institution must have the prior express permission in writing from the appropriate Division Director before enrollment.

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

Tuition credit is available if three hours or less are being taken at UT Permian Basin while concurrently enrolled at an area community college. The student **must** first register at the area college and bring a receipt to UT Permian Basin. UT 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 UT Permian Basin. See p. 52 for concurrently enrollment fees.

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

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

The class day begins at 8 a.m. and ends at 9:45 p.m. Unlike some universities in which courses offered after 5 p.m. are provided through an extension division, UT 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.

Concurrent Enrollment

In Absentia Registration

Pass Center

The Office for Programs Assisting Students Study (PASS) is a multiple resources center for students. This office has the flexibility to help the older returning student as well as the traditional student.

Orientation. New students are encouraged to attend orientation prior to their first semester. At orientation students will be made more familiar with a variety of services available to students. A short tour of the campus is included.

Car Pooling. Names, phone numbers, and class schedules of students who are interested in car pooling will be kept in the PASS Office.

Tutoring Service. Tutors may be available at no cost through the PASS Office. If not, the PASS Office will assist students in finding a tutor.

Study Guides and Remedial Books. Several study guides for reading, writing, mathematics and study skills are available at the PASS Office. Remedial books are also provided to assist students in brushing up on past course work or to improve understanding of new material.

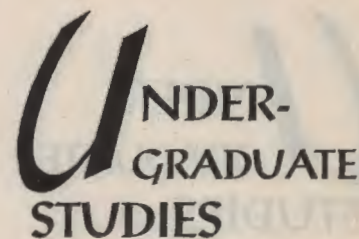
Testing. The PASS Office provides testing services for self-paced courses, correspondence courses and make-up exams. Arrangement should be made in advance with the PASS Office.

Standardized Test Preparation. Study guides are available in the form of handouts, books, and/or tapes to better prepare students for the GMAT, GRE, and LSAT.

Personal Computers. Personal computers are available for use by students in the PASS Office. Word processing, filing, and computational software are provided and must be checked out. It is recommended that students make appointments for use of the personal computers. Any required storage diskettes must be provided and maintained by the student.

Career Library. Various books and magazines are available for students to use in surveying career options and adjusting to changing careers. These also include sources of resume writing and interviewing hints. Career testing is available by appointment.

Degree Requirements



Minimum university requirements for the baccalaureate degree are specified by the faculty and range from a minimum of 120 to 140 semester credits. At least 54 semester credits (57 in the Division of Business Administration) must be at the junior and senior level to fulfill the requirements of the degree program. The student must have a C average (GPA 2.00) or better and no F grades in any credits required for the degree. Any D grades in any credits earned at UT Permian Basin and presented for the degree must be offset with an appropriate number of B or A credits. **There may be differences between the acceptance of credit for admission purposes and the applicability of credit for degree purposes. All students in degree programs must consult with their advisor or Director to determine course applicability toward their degree.**

A student must make a grade of C or better in all courses in the major. Courses in which a D was made must be repeated and at least a C obtained.

A minimum of 30 credits must be completed at UT Permian Basin of which at least 6 of the minimum must be advanced credits in the student's major field. Of the last 30 credits earned toward a degree, at least 24 must be completed at UT Permian Basin. See under "Transfer of Credit", p. 18.

Students may obtain a degree according to the course requirements of the catalog in force 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 force 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 one or more semesters and returns to UT Permian Basin as a former student he or she may choose to use the catalog in force at the time of re-entrance, thereby beginning a new six year time limit. This regulation applies to degree requirements, but not to operating regulations, procedures, and fees.

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

Composition/Written Communication	6 hours
History (United States)	6 hours
Literature	3 hours
Mathematics (College Algebra or above)	3 hours
Mathematics (computing, logic, statistics, math)	3 hours
Physical and Life Sciences (any two lab courses)	8 hours

University General Education Requirements

Degree Requirements

Political Science (U.S., State and Local Gov't.)	6 hours
Visual and Performing Arts	3 hours
Oral Communication	3 hours
Social Science (Sociology, Psychology, Economics, Criminology)	3 hours

TOTAL HOURS REQUIRED 44 hours

***In absentia* registration.** A candidate for a degree who has completed all the courses and other requirements for graduation and who must register in the university for the purpose of having a degree conferred, must register *in absentia*. This is the only purpose for which a student may register *in absentia*. See "Registration" for additional information concerning *in absentia* registration.

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

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

Lifetime sports. Every student is encouraged to enroll in lifetime sports. A maximum of two credits may be applied as electives toward requirements for a bachelor's degree.

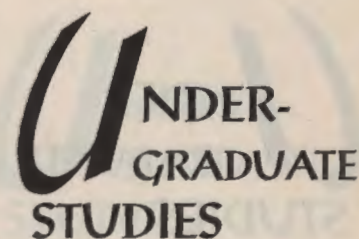
Summary of University Requirements for Bachelor's Degree. To meet the requirements for graduation, the student must:

1. Complete the total number of semester credit hours established for the chosen degree program. The minimum number is 120 semester credits with 54 at the upper level (57 in some programs).
2. Have earned all transfer credits at a regionally accredited college or university.
3. Complete 6 credits in American government (including Texas constitution) and 6 credits in American history.
4. Demonstrate proficiency in writing the English language in their coursework.
5. Demonstrate proficiency in conversation in English in their coursework.
6. Maintain at least a C average in all courses applicable toward degree.
7. Obtain a grade of C or better in all courses in the major field of study.

Courses marked with a † will fulfill general education requirements.

Summary of University Requirements for Bachelor's Degree

Degree Requirements



8. Complete at least 24 credits 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 UT Permian Basin. Of the last 30 credits earned toward the degree, at least 24 must be in residence.
9. Complete a minor of at least 18 credits, 12 of which must be upper level, in one field or closely related fields (distributed minor). A minor will be granted only if it is offered by UT Permian Basin. The following programs do not require completion of a minor:
 - (a) Bachelor of Business Administration
 - Accountancy & Information Systems
 - Finance
 - Management
 - Marketing
 - (b) Bachelor of Arts
 - Humanities
 - Art (the 49 credit program only)
 - (c) Second bachelor's degree
 - (d) Double majors
10. Initiate a degree check with the Records Office during the first 12 class days of the semester of expected graduation.

Graduation With Honors. Recipients of first baccalaureate degrees who have completed a minimum of 48 semester credit hours at UT Permian Basin may be eligible for graduating with appropriate honors. Honors will be awarded based upon the following GPA scale:

3.50-3.79	Cum Laude
3.80-3.89	Magna Cum Laude
3.90-4.00	Summa Cum Laude

Graduation with Honors

Centers for Learning Resources

The Centers for Learning Resources provide tools and services to the faculty, staff and students to facilitate learning and research. The Centers operate through three individual components: library services, instructional media services and computer services. These components operate as follows:

1. **Library Services.** The library collection totals over 720,000 volumes of books, microfilms and periodicals. The media collection includes video tapes, audio cassettes, motion pictures and records. The library's online public access catalog provides access by author, title, subject, and keyword. Through the online system, patrons can get access to online catalogs at other university libraries. The Interlibrary Loan service includes a two to three day turnaround for articles from UT Austin and approximately two weeks or so for books from other libraries. CD-Rom indices, such as ERIC and Academic Abstracts, are available for use.

In addition, Library Special Collections contains items relating to the history of the Permian Basin, a sizeable collection of materials by and about J. Frank Dobie, manuscripts of major Texas writers, a Texana collection which supports in-depth research in Texas history and culture, a Spanish language collection, and the University Archives.

2. **Publications and Media Services.** To enhance teaching and learning, Publications and Media Services provides a wide spectrum of teaching assistance including the layout and design of instructional materials such as transparencies, book covers, charts, paper presentations and illustrations. In addition to faculty support, Media Services assists in special events projects through graphic design, photography and the coordination of university print requirements.
3. **Computer Services.** The Computer Services Division provides computer support to the university community through the operation of several on-site systems. Local facilities provide direct access to personal computers and the in-house mainframe. Access is also provided to several remote systems via The Higher Education Network (THE-Net). This network provides access to several large computing facilities. Computer facilities are available for use by faculty, staff and students to support course work, research and records management. Computer Services staff members are available to assist users in solving data processing problems.

Career Services

The UT Permian Basin Career Services 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. Placement files contain a student's resume, transcripts, letters of recommendation, and other pertinent information requested by the student.

Career services are available to all students and alumni. The Career Services Office is located in the PASS Office.

Student life includes the programs and events that complement learning experiences and provide diverse opportunities for students to grow academically, professionally and personally. Student life services are related specifically to the varied student population at UT Permian Basin. The programs and events address themselves to a broad range of interests and personal needs of the student body. To this end, the student life staff seeks student ideas and help in planning and staging campus events, programs and services. Admission to student life events is not based on race, income, age, sex, handicap, ethnicity or social barriers.

Student Senate. The Student Senate of UT Permian Basin is the organization representing the interests and needs of the student body. The Student Senate is recognized by the administration of UT Permian Basin and by the Board of Regents of The UT System as the elected representative body for students at UT Permian Basin. The Student Senate recommends allocation of the Student Services Fee and makes recommendations to the administration on policies that affect the student body.

Officers are elected at the end of each spring semester and senators are elected at the end of September to serve through August. Candidate registration forms are available through the Student Senate Office. Students are encouraged to seek elected offices.

Program Board. The Program Board is responsible for identifying, budgeting and developing cultural, social and recreational programs for the student body. The Board is composed of a member of each functioning student organization as well as any other interested students.

The Program Board Director will be elected each May by the Program Board from its membership and will serve during the subsequent long term of the academic year.

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

The Student Life Office is responsible for the registration of student organizations and publishes a guide for the development of organizations.

Publications. The dissemination of news and information of student interest and the publication of literary and artistic student work is supported by Student Life.

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

Student Life

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

The Mesa Journal is the student newspaper for UT Permian Basin. It is a bimonthly newspaper which publishes news and information regarding the university and its students. *The Mesa Journal* provides an opportunity for students to gain newspaper journalism experience while attending the university. It serves the university as an academic tool through the Mass Communications discipline and as an information service to the students.

The editor and staff for *The Mesa Journal* are selected from the student body. The newspaper staff receives professional advice from the faculty of Mass Communications. The *Mesa Journal* receives financial support from the Student Services Fee and through advertising revenue.

The Gymnasium/Pool Complex. This complex is a three-story building 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 and badminton courts, a tennis court and two basketball courts. The complex has an exercise room equipped with weights, dance bars, floor exercise mats and a full wall mirror. In addition, there are two outdoor tennis courts, five outdoor racquetball courts, an athletic field and a 1.8 mile fitness trail.

Housing. The university offers units for single and married students. Students have the option of an efficiency, a one bedroom or two bedroom unit. Each unit is fully furnished and has central heating and air conditioning. The university's modular housing units are arranged around a centrally located laundry facility and clubroom. The housing area is within easy walking distance of the university. Rental rates include the cost of electricity, water, sewer, garbage collection, maintenance and police security. While generally available on a first-come, first-served basis, preference is given to students who live outside a reasonable commuting distance. Additional information and housing applications are available through the Student Housing Office.

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

According to the law, a person can commit a hazing offense not only by engaging in a hazing activity, but also by soliciting, directing, encouraging, aiding or attempting to aid another in hazing; by intentionally, knowingly or recklessly allowing hazing to occur; or by failing to report in writing to the Vice President for Student

Student Life

Services firsthand knowledge that a hazing incident is planned or has occurred. The fact that a person consented to or acquiesced in a hazing activity is not a defense to prosecution for hazing under this law. In an effort to encourage reporting of hazing incidents, the law grants immunity from civil or criminal liability to any persons who report a specific hazing event to the Vice President for Student Services; and immunizes that person from participation in any judicial proceeding resulting from that report. The penalty for failure to report is a fine of up to \$1,000.00, up to 180 days in jail, or both. Penalties for other hazing offenses vary according to the severity of the injury which results and range from \$500.00 to \$10,000.00 in fines and up to two years confinement.

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

The law defines hazing as any intentional, knowing, or reckless act, occurring on or off the campus of an educational institution, by one person alone or acting with others, directed against a student, that endangers the mental or physical health or safety of a student for the purpose of pledging, being initiated into, affiliating with, holding office in, or maintaining membership in any organization whose members are or include students at an educational institution. Hazing includes but is not limited to:

- A. any type of physical brutality, such as whipping, beating, striking, branding, electronic shocking, placing of a harmful substance on the body, or similar activity;
- B. any type of physical activity, such as sleep deprivation, exposure to the elements, confinement in a small space, calisthenics, or other activity that subjects the student to an unreasonable risk of harm or that adversely affects the mental or physical health or safety of the student;
- C. any activity involving consumption of food, liquid, alcoholic beverage, liquor, drug, or other substance which subjects the student to an unreasonable risk of harm or which adversely affects the mental or physical health of the student;
- D. any activity that intimidates or threatens the student with ostracism, that subjects the student to extreme mental stress, shame, or humiliation, or that adversely affects the mental health or dignity of the student or discourages the student from entering or remaining registered in an educational institution, or that may reasonably be expected to cause a student to leave the organization or the institution rather than submit to acts described in this subsection;
- E. any activity that induces, causes, or requires the student to perform a duty or task which involves a violation of the Penal Code.

Students needing health insurance may obtain information from the PASS Office.

The University of Texas Permian Basin recognizes its responsibility to protect the rights and privileges of students, employees, patients, and the general public against

Student Insurance

Aids, HIV, and
Hepatitis B Infection

Student Life

the contact with the spread of infectious diseases. In recognition of Human Immunodeficiency Virus (HIV) and Hepatitis B (HBV) as serious health threats, UT 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 UT Permian Basin, faculty, staff, and students is confidential.

A complete copy of the "Aids, HIV and Hepatitis B Infection" policy can be found in their Institutional Handbook for Operating Procedures available in the Office of each (school, college and division) the library, and most UT Permian Basin departments. This policy is applicable to all students of UT Permian Basin as they pursue their academic (and clinical) endeavors. Several brochures with information about Aids/HIV will be made available to all students on request by phoning the UT Permian Basin PASS Office.

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. Students may obtain information regarding:

- (1) the consequences of not being current on immunization for certain diseases;
- (2) the age groups most vulnerable to these vaccine preventable diseases;
and
- (3) local providers of immunization services from the Student life Office.

Conduct. The university considers all students to be adult; therefore, their behavior is subject to all expectations of The University of Texas Board of Regents, UT Permian Basin rules and regulations as well as local, state and federal laws. The university reserves the right to restrict the enrollment of any student for disciplinary or academic reasons.

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

According to the Regent's Rules, the Vice President for Student Services has the authority to take interim disciplinary action when the continuing presence of the student poses a

Immunizations

Student Life

a danger to persons or property or an ongoing threat of disrupting any authorized university activity.

Or, the Vice President for Student Services may summon the student for the purpose of discussing the allegations by mailing to the address appearing in the registrar's records, a written request for the student to appear at a certain place and time at least three weekdays after the date of the letter. If the Vice President for Student Services finds that the allegations of misconduct are not unfounded, he shall notify the student of the allegations and proceed with a hearing. If a student fails to appear without a valid reason, the Vice President for Student Services may implement hearing procedures in the absence of the student or may bar or cancel the student's enrollment until the student appears or responds to the summons.

If the accused student does not dispute the facts upon which the charges are based and executes a written waiver of the hearing procedures, the Vice President for Student Services shall assess an appropriate penalty and inform the student of such in writing. The student may appeal the penalty.

If the student does dispute the facts on which the charges are based, such charges shall be heard and determined by a fair and impartial person, hereinafter called the Hearing Officer. Except in cases where immediate interim disciplinary action has been taken, the accused student shall be given at least ten days notice of the date, time, and place for such hearing and the name of the Hearing Officer. The notice shall include a written statement of the charge(s) and a summary statement of the supporting evidence. The notice shall be delivered in person or mailed to the student at the address appearing in the registrar's records. Hearings held following the interim disciplinary action will be held as soon as possible within ten days after the interim disciplinary action has been taken.

Each party shall provide the other party a list of witnesses, a brief summary of the testimony to be given by each, and a copy of documents to be introduced at the hearing at least three days prior to the hearing. Each party shall have the right to appear and present evidence in person or through a designated representative or counsel of choice. Each party, or his or her designated representative or counsel, shall have the right to cross-examine witnesses. The hearing will be recorded. If either party desires to appeal the finding, the record shall be transcribed and both parties will be furnished a copy of the transcript. The accused student may challenge the impartiality of the Hearing Officer up to three days prior to the hearing. The Hearing Officer shall be the sole judge of whether he or she can serve with fairness and objectivity. The Hearing Officer shall render and send to both parties a written decision which shall contain findings of facts and conclusions as to the guilt or innocence of the accused student and shall assess one of the penalties listed below.

The following penalties may be assessed by the Vice President for Student Services or the Hearing Officer.

Student Life SERVICES

- 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.

The minimum penalty for illegal use, possession, and/or sale of a drug or narcotic on campus shall be suspension from the institution for a specified period of time and/or suspension of rights and privileges.

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

Intoxicating Beverages. The use of intoxicating beverages is prohibited in classroom buildings, laboratories, auditoriums, library buildings, museums, faculty and administrative offices, intercollegiate and intramural athletic facilities, and all other public campus areas. However, with the prior consent of the chief administrative officer, the foregoing provisions of this Subsection may be waived with respect to any specific event which is sponsored by the institution. In any case, state law will be strictly enforced at all times on all property controlled by the System and its component institutions.

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

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

The term "solicitation" as used herein means the sale or offer for sale of any property or service, whether for immediate or future delivery; the distribution of material that is designed to encourage the purchase or rental of any property, product, or service; the oral or written appeal or request to support or join an organization other than a

Student Right-to-Know and Campus Security Act

registered student, faculty, or staff organization; the receipt of or request for any gift or contribution; and the request that a vote be cast for or against a candidate, issue, or proposition appearing on the ballot at any election held pursuant to state or federal law.

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

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

UT Permian Basin will make timely 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.

Every September, UT Permian Basin will publish and distribute an annual report of campus security polices and crime statistics to all current students and employees; provide copies of the report to applicants for enrollment or employment upon request; and submit a copy of the report to the Secretary of Education upon request. The annual campus crime statistics report will reference crimes which occur on property owned or controlled by UT 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.

Effective July 1, 1993, UT Permian Basin will annually calculate and disclose 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.)

Effective September 1, 1993, UT Permian Basin will publish 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.

Because of the importance of records to the student, not only while enrolled but for years afterward, the University encourages students to become familiar with the kinds of records maintained. Students have certain rights to review their records as outlined in the Student Section of the *Handbook of Operating Procedures*. Access to specific records should be made by written request to the University department maintaining that particular record. Access to records shall be granted to the student within a reasonable period of time. Students also have the right to challenge a perceived inaccuracy, misleading statement or perceived violation of privacy.

Access to Records by Students

Auxiliary Services

Bookstore. Textbooks and academic supplies may be purchased on campus at the university Bookstore. Costs of such items will depend on the courses selected.

The university Bookstore will purchase used textbooks from students which are in good condition provided that such textbooks continue to be used by the various departments. Buy back periods are limited to the final week of fall and spring semesters, and the last day of finals for summer sessions.

Cards, gifts and sundry items also are available for purchase.

Food Service. The university contracts with an outside firm to operate a snack bar food service off the main lounge on the ground floor of the classroom building. Normally, the service is available whenever classes are in session during the day and evening. The service is not available on weekends or during vacation periods.

Psychological Services. Psychological services are available to students free of charge through the Center for Behavioral Analysis. Students who have personal problems are encouraged to use the services of the Center.

Student Educational Records. The University of Texas of the Permian Basin has developed policies regarding educational records in accordance with the Family Educational Rights and Privacy Act of 1974 and legislation of the State of Texas. Full information regarding the University's policies and procedures is contained in the Student Section of the *Handbook of Operating Procedures*, which is published by the Office of Student Affairs, and is also available from the Office of the Registrar.

Release of Information from Educational Records. Release of information from a student's educational records is governed by the provisions of the Family Educational Rights and Privacy Act of 1974. In general, educational records are not released to persons of agencies outside or inside the University except by explicit written request of the student. Exceptions to this include: appropriate University officials with legitimate educational interest such as the student's dean or academic advisor; officials requesting information in connection with the student's application for financial aid, including scholarships and work-study grants, if such is necessary to the processing of the student's application of enforcement of conditions of such rewards; state or federal agencies authorized by law in compliance with a judicial order or subpoena; and persons requesting directory information as explained in the following section.

Directory Information. Directory information about a student is considered public information and is released without written consent. As defined by the Family Educational Rights and Privacy Act, directory information includes: students name, telephone number and address; dates of previous enrollments, number of currently enrolled hours and total completed semester hours; students major and degree(s) awarded and date degrees awarded; academic achievement, honors or other awards; high school(s) or most recent institution of higher learning which the student attended; participation in officially recognized activities and sports; and physical characteristics of members of the athletic teams.

Tuition, Fees and Deposits

Tuition

All tuition and fees are subject to change by the Legislature without prior notice.

Resident (in-state) 1993-94 academic year.....	\$ 26.00 per semester credit hour
Resident (in-state) 1994-95 academic year.....	\$ 28.00 per semester credit hour
Nonresident (out-of-state).....	\$ 162.00 per semester credit hour
International Student	\$ 162.00 per semester credit hour

- Note: All tuition charges are subject to change following the Coordinating Board's calculation of the average cost of education per Education Code Sec. 54.0511.

Exceptions

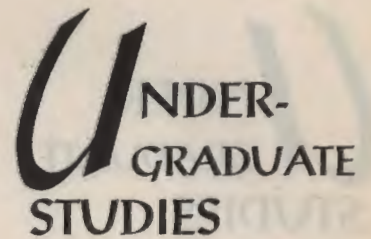
1. Nonresident or international students who are recipients of a competitive academic scholarship in the amount of \$200 or more awarded for the academic year or the summer term by UT Permian Basin may pay the in-state tuition rate.
2. Nonresident students who hold appointments as graduate teaching assistants or graduate research assistants may pay the in-state tuition rate provided they are employed half time or more in positions which relate to their degree programs.
3. The Texas Veterans Exception (Hazlewood Act) Section 54.203 Texas Education Code, provides an exemption from tuition and some fees. A Texas veteran may qualify for this exemption provided he/she:
 - a. Was a Texas resident at the time he/she entered the service and is currently considered a Texas resident for tuition assessment.
 - b. Had active military duty (for purposes other than training) for more than 180 days beginning after February, 1955, or served on active duty any period of time between December 7, 1941 and January 31, 1955.
 - c. Is honorably discharged from active service; and
 - d. Has exhausted veterans educational benefits under federal legislation.

Some types of discharges are excluded from eligibility. Application forms and instructions are available at the Office of Financial Aid.

Texas Residency for Tuition. Under state statutes and Coordinating board rules and regulations interpreting those statutes, a prospective student is classified as a resident of Texas, a nonresident, or a foreign student.

A person who has resided in the state under circumstances specified in these rules is eligible for classification as a resident. A citizen, a national, or a permanent resident of the United States not eligible to be classified as a resident is classified as a nonresident. An alien who is not a permanent resident of the United States and has not been permitted by Congress to adopt the United States as a domicile while in this country is classified as a foreign student. An individual classified as a nonresident or as a foreign 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 a foreign student.

Tuition, Fees and Deposits



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 more than one semester, should read carefully the rules governing the determination of residence in order to be prepared to pay the required Tuition fee. Information and advice regarding residency status are available from the Office of Admissions.

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

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

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

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

Refund of Tuition and Fees for Students Withdrawing from the University or Reducing Course load. Upon completing a withdrawal form or a course drop form and submitting it to the Registrar, the percent of tuition refund will be determined. Refund amounts are based on the total number of hours in which a student was originally enrolled and the total number of hours, if any, remaining on the student's schedule at the end of the refund period. Students who drop one or more courses during the 100%

Refunds Due

Tuition, Fees and Deposits

refund period and who then withdraw before the end of the withdrawal refund period, will receive a refund amount based on the total number of hours in which they were originally enrolled and the percentage of refund authorized on the day of withdrawal. Students withdrawing during a long semester will be refunded appropriate tuition and fees as follows:

Long Semesters

1. prior to first class day from which a \$15 matriculation fee shall be assessed.....100%
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

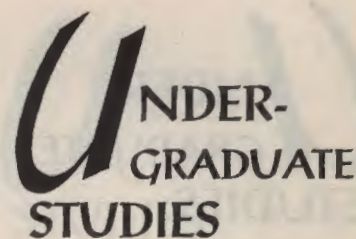
1. prior to the first class day.....100%
2. during the first, second or third class day.....80%
3. during the fourth, fifth or sixth class day.....50%
4. after the sixth class day.....NONE

Federal Aid Recipients

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.

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 should be contacted.

Tuition, Fees and Deposits



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) Bar against readmission at the institution;
- b) Withholding of grades, degree and official transcript; and
- c) All penalties and actions authorized by law.

Students are not entitled to enter a class or laboratory until their fees and deposits have been paid. Payment may be made by personal check for the exact amount due, provided the bank transit number is encoded thereon in compliance with revised Federal Reserve Bank regulations. Checks for larger amounts, the difference to be paid in cash to the student, cannot be accepted. In paying fees by check, students should exercise care. A bad check, whether given by mistake or otherwise, unless the admitted error of the bank concerned, is likely to delay actual payment and thus result in a penalty for late registration. Fees may be paid and books purchased by charging on VISA, Mastercard and Discovery accounts. All fees are subject to change by the Legislature or Board of Regents without notice.

Property deposit. A ten dollar 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.

Student services fee. The Student Services Fee is compulsory for all students. The amount charged is \$10.50 per semester credit hour for 1-11 credits. Students registered for 12 credits or more are charged a maximum of \$126.00. 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 UT Permian Basin and reservation privileges to the Gymnasium.

Part-time students desiring the same privileges and additional benefits may pay the full Student Services Fee. 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.

Add/Drop fee. A student adding or dropping a course or courses will be assessed a \$5 per transaction fee.

Fees & Deposits

Tuition, Fees and Deposits

Fees & Deposits

Computer processing fee. All enrolled students will be assessed a \$20.00 computer use fee each semester. This is a non-refundable fee.

General Fees. An assessment for a general fee is made on the basis of \$ 12 per semester credit hour to all students registered for resident credit. Refund of general fees to students withdrawing is made on the same basis as refund of the registration and tuition fees.

Geology Field Course Fee. A \$650 fee will be charged for the regularly scheduled summer geology field course.

Library Fee. A fee of twenty-five cents (\$.25) an hour will be charged for overdue reserve books and one dollar (\$1) per day on overdue materials obtained through the inter-library loan services. For circulating books, the fine will be \$.25 per day per item overdue. Fees for use of inter-library loan services will be \$1.50 for computer charge plus handling costs plus \$.10 per page over 20 pages up to a maximum of \$20.00. The charge for lost books will be the actual replacement cost. A fee of \$6.00 per document will be charged for binding theses.

Parking Permit Fees. Students will register their cars in a single payment for the entire school year or the balance of the school year in which they register, whichever is applicable. The school year is September 1 through August 31. The following fees will be charged: passenger vehicles and trucks: \$15.00 per year; \$10.00 January 1 through August 31; \$7.50 June 1 through August 31. Two-wheel vehicles (motorcycles, motor scooters, motorbikes): \$15.00 per year; \$10.00 January 1 through August 31; \$ 7.50 June 1 through August 31. Contingent on Board of Regents approval this rate may be increased. Enforcement fees are as follows: Parking Violations: \$5.00 for the first offense, \$10.00 for the second and \$15.00 for the third and each one thereafter. Moving and non-moving violations are assessed at \$15.00. Failure to pay an assessed fee within 10 calendar days of receiving the citation will result in a \$3.00 late charge.

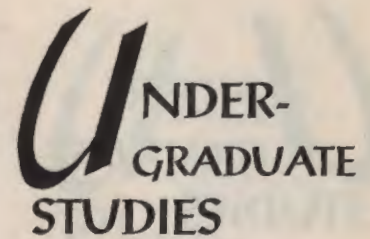
The replacement fee is \$ 5.00. Temporary (monthly) permits may be issued for \$1 or any portion of a month in excess of 14 calendar days.

Laboratory Fees. For each laboratory course a fee is charged in an amount to cover, in general, the cost of laboratory materials and supplies used by a student; however, such charge per student shall be not less than \$2 nor more than \$8 30 for each laboratory course in any one semester or summer term. The course schedule will indicate the amount of the laboratory fee for each course.

Student Teaching Fee. Students enrolled in Student Teaching are assessed a fee of \$50 to defray the costs of providing cooperating teachers for supervision of student teachers.

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

Tuition, Fees and Deposits



Supplementary Fees for Selected Courses. Students taking selected courses (e.g., studio art, lifetime sports, or physical education) may be required to pay supplementary fees each semester. Supplementary fees, in the case of students withdrawing or dropping a course, are refunded according to the schedule provided for refunding of registration and tuition fees. Exception: A student who officially drops a course with a supplementary fee and at the same time officially adds another such course will receive a refund of the full supplementary fee paid on the course dropped and will pay the corresponding fee required for the course added.

Special charge for late registration. Any student who, with proper permission, registers after the scheduled registration in that semester, will be required to pay a special charge of \$5.

Bad checks. A service charge of \$10 will be assessed for each returned check.

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

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

Transcript service charge. There is a transcript charge of \$5 for each university transcript ordered.

Fax fee. A charge of \$5/page will be assessed to defray the administrative costs of FAXing student documents from the Registrar's Office.

Sec. 54.007(b) Education Code

Payment of tuition and fees. 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:

Tuition, Fees and Deposits

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

There will be a \$12 incidental fee assessed if the installment payment option is used and a \$10 late fee.

A student who fails to provide full payment of tuition and fees, including late fees assessed, to the university when the payments are due, is subject to one or more of the following actions at the university's option:

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

Duplicate fee receipt. A \$1 charge for additional copies of Registrar receipts will be charged to defray the costs of printing duplicate copies of fee receipts except for purposes of I.D. cards and parking permit verifications.

Student identification card replacement fee. All students who need a replacement student identification card will be charged a \$3 service fee 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 UT 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.

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.

Academic Regulations

Withdrawing from the University

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

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

A completed withdrawal form must be submitted to the Registrar's Office prior to the final exam period. Withdrawals done after the last date to drop must have the permission of the Division Director. Failure to withdraw from a class which the student has never attended or has stopped attending will result in a failing grade on the academic record. Withdrawals become effective the date the completed and signed form is received from the student by the Registrar's Office.

Students who have withdrawn from the university need not apply for readmission unless they have been absent from the university for more than 2 semesters. See "Admissions."

Credit by Examination

Undergraduate Credit by Examination. It is the general policy of The University to recognize 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 graded points are awarded. The student is responsible for having test scores sent to the Admissions Office.

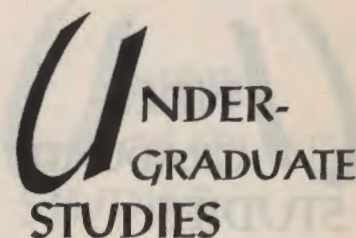
CEEB and CLEP

There are two separate programs by which a student may earn course credit by examination. These are 1) CEEB Advanced Placement Examinations which are a part of the Advanced Placement Programs available in a limited number of secondary schools, 2) specified subject examinations of the CEEB College Level Examination Program (CLEP).

The student is responsible for taking the tests early enough to allow sufficient time for scores to be reported to The University and processed by the Admissions Office. The deadline for registering to take CLEP examinations at a national testing center is four to six weeks before the scheduled test.

Information concerning each of the testing programs follows.

Academic Regulations



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.

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.

UTPB Courses for which credit can be earned	Standardized Test(s) Used	Min.UTPB Score	Sem. Hours
Life Science			
LFSC 110, 111, 120, 121	CEEB APP: Biology	3	8
LFSC 110, 111, 120, 121	CLEP-S: Biology	52	8
Chemistry			
CHEM 131, 132, 133, 134	CEEB APP: Chemistry	3	8
CHEM 131, 132, 133, 134	CLEP-S: Gen. Chemistry	52	8
Computer Science			
CPSC 121	CEEB APP: Comp. Sci. A	3	4
CPSC 121, 122	CEEB APP: Comp. Sci. AB	3	8
Information Systems and Computer Applications			
CPSC 101	CLEP-S: Information Sys. & Computer Apps.	52	3
Economics			
ECON 201, 202	CEEB APP: Economics	3	6
English			
ENG 101	CEEB APP: English	3	3
ENG 101, 102	CEEB APP: English	8	6
History			
HIST 101, 102	CEEB APP: Amer. Hist.	4	6
Mathematics			
MATH 152	CEEB APP: Calculus AB	3	4
MATH 152	CLEP-S: Calc. with Elem. Functions	52	4
MATH 152, 251	CEEB APP: Calculus BC	3	8
MATH 151	CLEP-S: Coll. Alg. and Trig.	52	4

Academic Regulations

Physics

PHYS 221	CEEB APP: Physics C	3	4
PHYS 222	CEEB APP: Physics C, Elec. & Magnet	3	4

Psychology

PSYC 101	CEEB APP: Psychology	3	3
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UT Permian Basin does not award college credit for study through the United States Armed Forces Institute, noncredit military studies and nonaccredited institutions; however, if an accredited college or university has awarded credit for such study, UT Permian Basin will accept those credits on the same basis as coursework completed at that institution.

An individual who already holds a bachelor's degree must complete a minimum of 30 additional credits to receive a second bachelor's degree and, in the process, meet all requirements for the second degree. No minor is required for a second bachelor's degree. A student desiring to complete two bachelor's degrees concurrently must complete all requirements of each degree program including a minimum of 30 credits more than required in one of the degree programs.

Students electing to major in 2 fields must meet the specified requirements for each major and no one course can be counted in the semester hours credit in more than one major. In certain cases this may require completion of additional coursework. In addition, each major division must certify that the student has satisfied all major, as well as division requirements. No minor is required when completing two majors. Only one major and one degree will be shown on the diploma and only one diploma will be issued. Both majors will appear on the transcript.

Up to 15 semester credits of correspondence study normally will be accepted from accredited colleges or universities if appropriate to the curriculum. Only by petition to the Division Director and on written approval of such a petition by the Director may additional credits be considered for evaluation and acceptance.

Classes taught on a conventional basis usually meet 1 to 3 times per week. Courses taught on a self-paced basis may or may not meet formally.

Class attendance is required for those students taking developmental coursework (classes numbered 099), students receiving veterans benefits, and students receiving federal Title IV financial aid. In addition, some disciplines have class attendance requirements. Students should consult with individual instructors concerning class attendance requirements.

Each semester credit hour at UT 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-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 advisors in determining a suitable academic schedule.

Second Bachelor's Degree

Double Major

Correspondence Credits

Class Schedules

Class Attendance

Course Load

Academic Regulations

Physics

PHYS 221	CEEB APP: Physics C	3	4
PHYS 222	CEEB APP: Physics C, Elec. & Magnet	3	4

Psychology

PSYC 101	CEEB APP: Psychology	3	3
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Second Bachelor's Degree

Double Major

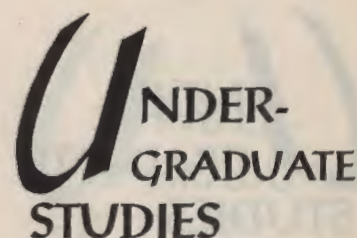
Correspondence Credits

Class Schedules

Class Attendance

Course Load

Academic Regulations



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

Maximum class loads during the summer sessions will be noted in the summer class schedule.

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 faculty advisor and the Division Director.

All international students must enroll as full-time students during the fall and spring semesters (12 hours minimum for undergraduates and 9 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.

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

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.

Grades at UT Permian Basin distinguish between levels of student achievement. They represent, in abbreviated form, the instructor's judgment of the student's academic progress. 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.

Religious Holidays

Satisfactory Scholastic Progress

Grading

Grading Policies

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

A = Superior achievement	PR = Work in Progress (masters thesis/project)
B = High achievement	W = Dropped class or withdrawal from university
C = Average achievement	WP = Dropped class passing or withdrawal from university passing
D = Minimal achievement	WF = Dropped class failing or withdrawal from university failing
F = Failure to achieve minimal standard	NG = No grade (ENCORE)
+ = High grade	
- = Low grade	
S = Satisfactory	
U = Unsatisfactory	
I = Incomplete	
Z = Acceptable progress: (SPI)	

Only grades of A, B, C, D, U, WF 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, WP, S, Z, PR and NG** are not computed in GPA. The grades of U, and WF are all calculated as an F grade.

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

A grade of I or Z is reported when students have not met all requirements of a course by the end of the semester and the instructor considers the allowance of additional time to complete course requirements justified. When reporting an I grade, the instructor must complete an 'Incomplete Report' specifying: (1) the deficiency or the additional work to be done, (2) the length of time allowed to complete the work (no later than the last class day of the subsequent semester, summer excluded), and (3) the grade that would have been earned at the time the course ended. If the I grade is not removed, the I becomes a permanent I unless the instructor has indicated a grade that had been earned at the end of the course in which case the I grade automatically is converted to that grade. Students who register for a class and then fail to attend any class meetings or take any test, and who neither withdraw nor formally drop the course, will be assigned the grade of F.

Any course dropped after the **10th day** of the student's enrollment in the course requires the instructor's signature on the drop form. A grade of W will be assigned for the final grade in courses dropped after the 12th class day (4th class day in the summer).

The grade of WP does not enter into the calculation of GPA. The grade of WF will enter into the calculation of GPA as a failing grade. Not the grade, but the effect of the grade can be removed by repeating the course. This applies to F, WF, or any other low grade. The F or WF will remain permanently on the record. Under this policy, only the most recent grade will count on the GPA, not the highest of two or more grades in the same course.

Grading Policies

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

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

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

The student grade report is a record of all coursework for the semester taken at UT Permian Basin. Grade reports are mailed approximately two weeks after the close of the fall and spring semesters and the second summer term.

Each semester students who have exhibited outstanding academic achievement will be honored. Students who have a semester grade point average 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 record.

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.
2. They must have earned a minimum of 12 semester hours at UT Permian Basin.

The last 12 hours of work for part-time students is the basis for calculating this GPA. If the last 12 hours must include a previous semester load only partially, then that entire semester's courses will be used in the calculation.

All courses taken at UT 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.

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

Grade Reports

Dean's and President's Honor Rolls

Repeat Policy

Probation and Dismissal

Grading Policies

Students on academic probation will have 2 semesters or 12 credits (whichever occurs first) to raise their GPA to 2.0. A full summer session will be treated as a regular semester. Failure to raise the GPA to 2.0 after 2 semesters on academic probation will result in dismissal from the university. In cases of extenuating circumstances, students may appeal their dismissal to the Division Director.

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 appropriate Division Director presenting evidence that they are likely to succeed in an academic program. Readmission must be approved by the Director. Students readmitted after dismissal will be on academic probation for the initial semester.

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

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.

The intent of the faculty and administration at UT Permian Basin is to ensure that every student receives fair treatment in the academic process.

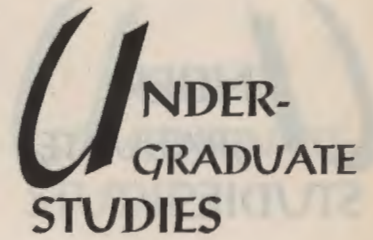
In attempting to resolve any student grievance regarding grades or evaluations, it is the obligation of the student first to make a serious effort to resolve the matter with the faculty member with whom the grievance originated. Individual faculty members retain primary responsibility for assigning grades 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 Division Director. 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 their claim. The President's Office shall constitute the final step in the appeal process.

Student Academic Appeal Procedures

Bachelor's Degree Program

The degree programs are administered by the five academic components of the university as outlined below. Special degree requirements for the programs as designated by the division are given and these apply to all degrees offered by that division.

Divisional Requirements



Division of Behavioral Science
James N. Olson, PhD, Director

- BA Anthropology**
- BA Criminology**
- BA Kinesiology**
- BA Political Science**
- BA Psychology**
- BA Sociology**

The goal of the Division is to provide each student with an educational program best suited to the interests, abilities and professional goals of the individual. Students work closely with faculty advisors to develop individualized plans of study which include the core courses necessary to meet basic requirements of the respective disciplines. The programs of the Division are reviewed regularly and modified to keep them current with developments in the respective fields.

In addition to the minimum general university requirements for the Bachelor of Arts and Bachelor of Science degrees listed in the academic policy section of this catalog, students must complete the Division's degree requirements.

A minimum of 120 semester credit hours is required for these degrees of which at least 54 must be at the upper level. Depending on the major, at least 18-30 credit hours must be taken within the major at the upper level. At least 18-30 credits, depending on the major, must be at the upper level. No single course may be counted in more than one major.

A minor consisting of a minimum of 18 semester credits is required except as noted for teacher certification. Students seeking secondary teaching certification must complete a minimum of 24 credits in each of two teaching fields, one of which will serve as a minor.

Following is a list of required and recommended courses for students who plan to pursue the Bachelor of Arts degree in the Division of Behavioral Science.

Behavioral Science

Bachelor Divisional Requirements

Business Administration

Division of Business Administration
Corbett F. Gauden Jr., PhD, Director

BBA	Accountancy & Information Systems
BA	Economics
BBA	Finance
BBA	Land Management
BBA	Management
BBA	Marketing

A minimum of 122 semester credit hours is required for the BBA in Finance, Management, Marketing, and 128 semester credit hours in Accountancy & Information Systems. The BBA in Land Management requires a minimum of 125 semester credit hours. The Bachelor of Arts in Economics requires a minimum of 122 credit hours. All degree programs in this Division require that at least 57 of the total degree credits must be upper level course work except the BA in Economics, which requires that at least 54 of the total credit hours must be upper level course work. Because all students in Business Administration are required to take a cross-section of courses from a variety of business disciplines, the division does not award double majors. Students desiring this option will be advised to seek a second baccalaureate degree.

The Division of Business has adopted a Grade Policy which includes the following:

1. The Division of Business requires a grade of "C" or better in lower division courses which are business related and/or serve as prerequisites to the business core. These courses currently include Accounting, Business Law, Computer Programming, Economics, Introduction to Statistics, and Mathematical Analysis.
2. Students in the Division of Business must achieve a minimum cumulative grade point average of 2.0 on all business core and business elective courses to meet degree requirements.

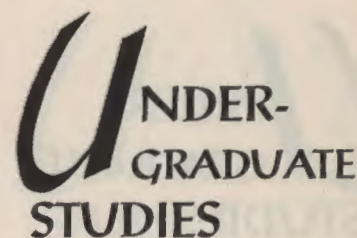
The transfer curricula for public junior colleges in Texas established by the Texas Higher Education Coordinating Board, will be accepted in its entirety and applied toward appropriate degrees.

Lower level plans of study for the **BBA degree in Accounting, Finance, Land Management, Management and Marketing** should include the following courses during the first two years:

Subject Expected	Semester Hours
Accounting ³ 231 and 232	6
Business Law ³ 320 or 321	3
Computer Literacy ³ CPSC 101	3
Economics ³ 201/202	6
English Composition 101/102	6
Introduction to Statistics ³ DSCI 301	3

Lower Level Preparation

Divisional Requirements



Literature	3
Mathematical Analysis ³ 181/182 or 151/152	6
Political Science, Federal and State ¹ PLSC 201/202	6
Psychology 101 or Sociology 101 ²	3
Speech 101	3
U.S. History (one may be Texas History) ¹	6
Visual and Performing Arts	3

¹ Required by state statute.

² Marketing and Management students must take both Psychology and Sociology.

³ A grade of D will not apply toward degree.

The Lower Level plan of study for the BA degree in Economics should include:

Subject Expected	Semester Hours
Computer Literacy CPSC 101 ²	3
Economics 201/202	6
English Composition 101/102	6
Introduction to Statistics DSCI 301 ²	3
Laboratory Science	8
Literature	3
Mathematical Analysis ² 181/182 or 151/152	6
Political Science, Federal and State, PLSC 201/202 ¹	6
Psychology 101	3
Sociology 101	3
Speech 101	3
U.S. History (one may be Texas History) ¹	6
Visual and Performing Arts	3

¹ Required by state statute.

² A grade of D will not apply toward degree.

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

1. No upper level business core 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.
3. A correspondence course cannot be used for graduation when completed during the student's final semester or summer term.

Divisional Requirements

Upper Level Requirements

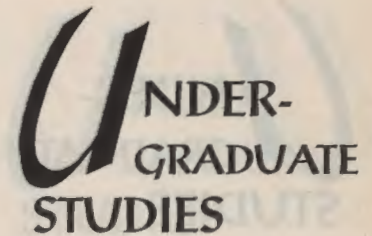
Upper Level Requirements

All candidates for BBA degrees must complete a basic business administration core of 27 credits. Students working on the BA degree should consult respective sections on Economics. The basic business administration core provides students with a common body of knowledge in business administration. Students' programs include instruction dealing with the following areas:

1. Concepts, processes and institutions in production, marketing and distribution of the business enterprise's products.
2. Economic and legal environment of business enterprises along with consideration of financing functions of business enterprise.
3. Concepts and methods of accounting, quantitative methods and information systems.
4. Organization theory, interpersonal relationships, control and motivation systems and communications.
5. Administrative processes under conditions of uncertainty including integrating analysis and policy determination at the overall management level.
6. The upperlevel business administration core consists of the following courses: ACCT 333; DSCI 301/302; ECON 300/400 elective course; FIN 320; MNGT 310, 311, 340 and 475; and MRKT 300.

Note: Major area courses of study designated as 300/400 level courses at UT Permian Basin are expected by AACSB standards 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.

Divisional Requirements



Division of Education
G. Peter Ienatsch, PhD, Director

Teacher CertificationElementary education
Teacher CertificationSecondary education
Teacher CertificationAll-level

Students enrolled in teacher education may earn their bachelor's degree in one of the arts, humanities or sciences fields, while completing Texas Education Agency requirements for certification to teach. Elementary education students complete a major in their chosen discipline as well as a minor in an academic area. An interdisciplinary minor in multicultural studies is available. This option may facilitate obtaining bilingual or ESL certification or endorsement. Most students preparing for secondary teacher certification must complete coursework in two teaching fields, one of which serves as a minor.

The teacher education program under the 1987 Standards for the Teaching Profession includes provisional certification for classroom teaching in the following subject areas:

Elementary (Option II, Grades one-eight)

Art	History
Biology	Mathematics
Earth Science (Geology)	Kinesiology
English	Spanish
	Bilingual Education

Secondary (Option II, Grades six-twelve except as indicated)

Art	Government
Business Administration	History
Chemistry	Journalism
Composite Science	Mathematics (Option I and II, Grades six-twelve)
Composite Social Studies	Kinesiology
Computer Information Systems	Psychology
Earth Science (Geology)	Sociology
Economics	Spanish
English	

All-Level (Options I and II, Grades one-twelve)

Art (Option I)
Kinesiology (Option II)

Education

Divisional Requirements

UT Permian Basin students will be offered every opportunity to be as fully prepared for teaching as students who take a bachelor's degree in education at other universities, but their degrees will be awarded in a field of teaching interest. Thus, one preparing to teach mathematics in high school would pursue the BS in Mathematics, plus complete all coursework required for a second teaching field and a secondary level teaching certificate.

Students must make application for admission to teacher education. The following documentation must be presented in support of the application:

1. Document junior status at UT Permian Basin
2. Obtain signed Degree Plan from faculty advisor
3. Submit approved Teacher Certification Plan
4. Perform satisfactorily on the Texas Academic Skills Program (TASP). No more than six hours of professional education courses may be taken until students pass all three sections of the TASP.

This documentation must be submitted to the Teacher Education Office. The date of admission will be determined by satisfactory completion of the TASP.

State Board of Education rules require an individual seeking a certificate to be free of felony or misdemeanor convictions for any crime directly related to the duties and responsibilities of the teaching profession. Any student with a conviction must contact the Certification Officer or Division Head.

To qualify for student teaching, UT Permian Basin students must have an overall grade point average (GPA) of 2.50 and a GPA of 2.75 for both course work in their teaching fields and education course work that has been completed at UT Permian Basin. Students not meeting these requirements may be admitted to student teaching on a conditional basis with the approval of both advisors (Academic and Education) and the Teacher Education Council. The GPA levels must be achieved, however, before certification will be recommended.

In each teacher certification program, it will be required that certain courses must be completed prior to student teaching. This means that students in elementary education, for example, must have all but six hours of their academic major completed as well as PSYCH 341 and the Methods Sequence, EDUC 420, 421, 422, 423, 424 and 425. PSYCH 341 should be taken before EDUC 424 and 425. EDUC 424 and 425 should be taken the semester immediately before the student teaching semester. EDUC 420, 421, 422 and 423 will be "blocked" with student teaching. The first six weeks of the semester the student will take EDUC 420, 421, 422 and 423. During the last ten weeks the student will student teach.

For Secondary Education, twenty-four semester hours must be completed in each of the two required teaching fields prior to student teaching. PSYCH 342 should be completed prior to enrollment in the methods sequence of EDUC 430 and the two 431 courses. The methods sequence must be completed the semester prior to the student teaching semester.

Divisional Requirements

Humanities and Fine Arts

Humanities & Fine Arts

H. Warren Gardner, PhD, Acting Director

- BA Art
- BA English
- BA History
- BA Humanities
- BA Mass Communications (Journalism & Radio-Television)
- BA Spanish
- BA Speech

The goal of the Division is to provide each student with an educational program best suited to the interests, abilities and professional goals of the individual. Students work closely with faculty advisors to develop plans of study which include the core courses necessary to meet basic requirements of the respective disciplines. The programs of the Division are reviewed regularly and modified to keep them current with developments in the respective fields.

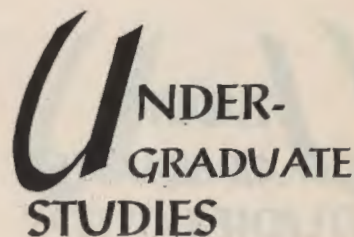
The Bachelor of Arts degree in the Division of the Humanities and Fine Arts requires a minimum of 120 semester credits.

A minor consisting of a minimum of 18 semester credits is required except as noted. A minor is not required for a BA degree in Humanities and in the 49-credit program in Art.

For example, except for majors in Spanish, the study of a foreign language is not required for the Bachelor of Arts degree although it is recommended for most majors. Because of special interest or career plans, some students would be well advised to complete four semesters of one foreign language prior to enrolling at UT Permian Basin.

Degree Requirements

Divisional Requirements



Division of Natural Sciences
Douglas F. Hale, PhD, Director

- BS Chemistry**
- BS Computer Science**
- BS Earth Sciences**
- BS Geology**
- BS Life Science**
- BS Mathematics**

The goal of the Division is to provide each student with an educational program best suited to the interests, abilities and professional goals of the individual. Each degree program has been carefully designed to offer opportunities for the development of competencies necessary for successful pursuit of the individual's career goals. Students work closely with faculty advisors to develop individualized plans of study, which will include the core courses necessary to meet basic requirements of the respective disciplines. The programs of the Division are reviewed regularly and modified to keep them current with developments in the respective fields.

To realize its goal, the Division makes available a wide variety of learning activities. Among these are small group instruction, case studies, seminars, experiential activities, off campus field trips, field study courses, self initiated research, integrated laboratory activities, computer assisted instruction, and contract/independent study. While not all these options are available in every discipline, degree plans generally include some of these varied activities, resulting in a program which is interesting and which offers opportunities to build professional competence.

In addition to general university requirements for the Bachelor of Science degree specified in the academic policy section of this catalog, students must complete the divisional general education requirements and the degree requirements listed under the respective degree programs.

Degree programs at The University of Texas of the Permian Basin have in common the following general education core:

English composition	6 semester hours
Literature	3 semester hours
U.S. History	6 semester hours
Political Science	6 semester hours
Social Science	3 semester hours
Visual/Performing arts	3 semester hours
Natural Science, with lab	8 semester hours
Mathematics	3 semester hours
Mathematics/Analytical	3 semester hours
Speech	3 semester hours

Natural Sciences

Degree Requirements

Divisional Requirements

Degree programs in the Division of Natural Sciences have in common the following requirements, some of which meet requirements listed above and some of which extend those requirements:

Calculus and Analytic Geometry (MATH 152, 251)*	8 semester hours
One year sequence of laboratory science outside the major (CHEM 131/133, 132/134; GEOL 101, 102; LFSC 110/111, 120,121; PHSYS 221, 222)	8 semester hours
Structured programming language (CPSC 110, 121)	4 semester hours
Second course in literature (ENG 201, 202, 203, or any 300 level survey course)	3 semester hours
History and philosophy of science (NTSC 411, 412)	3 semester hours
Environmental Science (NTSC 401)	3 semester hours

*Students majoring in Life Science, Plan B, with elementary certification may elect MATH 101 and MATH 102 in place of MATH 152 and MATH 251.

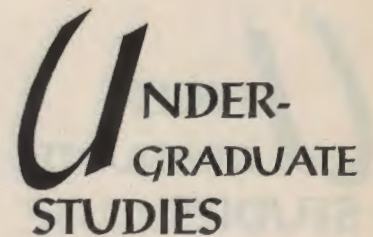
The total number of semester credit hours in the degree plan must be at least 120, of which at least 54 credit hours must be upper level. The degree program must include at least 18 semester hours of upper division course work in the major and a minor of 18 semester hours, including 12 upper division hours.

No more than 45 semester credit hours in any one discipline may be applied to the 120 hour total. All degree programs in the Division have additional or more specific requirements. These are listed in the appropriate section of the catalog. Some programs and/or degree plans will require more than the minimum university requirement of 120 semester credit hours.

Students who seek teaching certification are subject to further requirements. For secondary certification, a second field of at least 24 semester credit hours must be completed, the specific content of which should be worked out with the appropriate discipline. This second teaching field serves as the minor. Faculty in the Division of Education should be consulted for specific course and testing requirements for certification.

Prospective students are encouraged to contact UT Permian Basin faculty members in the appropriate discipline for assistance in planning high school or lower level transfer programs or for more specific information about individual major programs. The minimum high school preparation for admission to the university is described in the general academic section. Students intending to major in one of the disciplines in the Division of Natural Sciences are strongly encouraged to complete more than the minimum requirements in mathematics and science listed there. In particular, at least four years of mathematics including precalculus should be completed, as should at least three years of science including biology, chemistry, and physics.

Accountancy and Information Systems



Administered by the Division of Business Administration. Please refer to that section for general degree requirements.

Accounting is a discipline involving quantitative and qualitative information essential to the decision-making functions required in every type of organization. Information systems courses deal with techniques of processing, analyzing and utilizing financial and other data for decision making; the emphasis is on effective application and utilization of computers and related technology.

The major in Accountancy and Information Systems is intended to prepare students for careers in public, managerial, governmental, and non-business accounting. Individuals who have earned their BBA degree with a major in Accountancy and Information Systems are encouraged to seek appropriate professional certifications such as CPA (Certified Public Accountant), CMA (Certified Management Accountant), CIA (Certified Internal Auditor), CCE/A (Certified Cost Estimator/Analyst), and CFP (Certified Financial Planner).

Education and Experience for CPA:

Individuals wishing to qualify to sit for the CPA (Certified Public Accountant) exam in Texas are required to hold a Bachelor's degree and to complete at least 30 semester hours of accounting and an additional 20 semester hours of related courses in other areas of business administration. Beginning in Fall 1997, a 150 hour requirement will be in effect. The requirements to sit for the exam and to receive the CPA certificate are specified in the Public Accountancy Act of 1991 (as amended) and are interpreted and administered by the Texas State Board of Public Accountancy.

Education and Experience for CMA:

Individuals wishing to qualify to sit for the CMA (Certified Management Accountant) exam generally will be required to hold at least a baccalaureate degree or to have a CPA certificate. The CMA program and designation was developed and is administered by the Institute of Certified Management Accountants. UT Permian Basin is a designated testing site for the CMA examination.

Education and Experience for Other Designations:

Individuals wishing to qualify for CIA, CCE/A, CFP or other professional designations will be encouraged and aided in their preparation for those areas of specialization.

The 1st- and 2nd-year degree requirements may be found under divisional requirements.

The 3rd- and 4th-year degree requirements consist essentially of two parts:

Basic Business Administration Core (outlined under Divisional Requirements)	27 credits
Upper Level Accountancy and Information Systems courses	30 credits
Approved Business Administration Electives	6 credits

Bachelor of Business Administration

Degree Requirements

Accountancy and Information Systems

Sample Degree Plan

Requirements for a major in Accountancy and Information Systems are ACCT 301, 302, 303, 304, 400, 405, 406, 411, and two approved accounting electives (6 credits) plus two approved electives in business administration.

Sample Degree Plan Accountancy and Information Systems*128 hours

Freshman Year

<u>First Semester</u>		<u>Second Semester</u>	
ENG 101	3	ENG 102	3
HIST 101	3	HIST 102	3
MATH 181	3	MATH 182	3
Science	4	Science	4
SPCH 101	<u>3</u>	Visual/Performing Arts	<u>3</u>
	16		16

Sophomore Year

<u>First Semester</u>		<u>Second Semester</u>	
Literature	3	Sociology/Psychology	3
PLSC 201	3	PLSC 202	3
ACCT 231	3	ACCT 232	3
ECON 201	3	ECON 202	6
CPSC 101	<u>3</u>	DSCI 301	<u>3</u>
	15		15

Junior Year

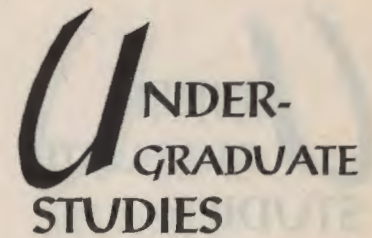
<u>First Semester</u>		<u>Second Semester</u>	
BLAW 320	3	ACCT 333	3
DSCI 302	3	MNGT 340	3
MNGT 310	3	MRKT 300	3
MNGT 311	3	ACCT 302	3
ACCT 301	<u>3</u>	ACCT 303	<u>3</u>
	15		15

Senior Year

<u>First Semester</u>		<u>Second Semester</u>	
FIN 320	3	MNGT 475	3
ECON 300/400	3	ACCT 400	3
ACCT 304	3	ACCT 406	3
ACCT 405	3	ACCT 411	3
ACCT Elective	3	ACCT Elective	3
Business Elective	<u>3</u>	Business Elective	<u>3</u>
	18		18

* Degree plans vary depending upon a student's goals and preparation prior to enrolling at UT Permian Basin. Students should consult with their faculty advisors for specific degree planning.

Accountancy and Information Systems



Course Listing

ACCT 231 Principles of Financial Accounting (3)

Recognition, recording and analysis of accounting information in business transactions. Financial reporting for external users, for proprietorships, partnerships and corporations. Prerequisite: Sophomore standing and Math 181 or equivalent.

ACCT 232 Principles of Managerial Accounting (3)

Internal use of accounting/financial information is emphasized. Includes cost accounting, performance measurement, and budgeting as managerial planning and control devices. Prerequisite: ACCT 231.

ACCT 300 Accounting Analysis Applications (3)

Accounting in planning and control of business enterprises, emphasis on management and decision making uses of accounting information. Prerequisite: ACCT 231 and 232.

ACCT 301 Intermediate Accounting I (3)

In-depth study of accounting theory and techniques involved in recording, summarizing, and reporting financial data for business organizations. Prerequisite: ACCT 231 and 232.

ACCT 302 Intermediate Accounting II (3)

Continuation of the in-depth study of accounting principles and techniques that was started in Accounting 301. Prerequisite: ACCT 301.

ACCT 303 Cost Accounting Principles (3)

Cost analysis of manufacturing, marketing and administrative functions of business organizations primarily for purposes of control and decision-making. Prerequisite: ACCT 231 and 232.

ACCT 304 Special Problems (3)

Study of accounting theory and applications related to reporting and analyzing cash flow, price level changes, accounting changes and errors, segment reporting, not-for-profit sector operations, and other topics. Prerequisite: ACCT 302.

ACCT 333 Information System Fundamentals (3)

Basic framework for developing and analyzing systems-oriented information flows in profit and nonprofit organizations. Prerequisite: CPSC 101; MNGT 310.

ACCT 400 Advanced Accounting (3)

Special accounting problems for partnerships; branches; corporate mergers and acquisitions, and multinational business organizations. Prerequisite: ACCT 304.

ACCT 401 Accounting Theory (3)

Historical development of accounting theory; criteria for choices among income-determination and asset-valuation rules in context of public reporting. Prerequisite: ACCT 304.

Accountancy and Information Systems

ACCT 405 Federal Income Tax (3)

Provisions and procedures of federal income tax laws and requirements affecting individuals and business organizations, including management problems of tax planning and compliance. Prerequisite: ACCT 301.

ACCT 406 Auditing Theory and Practice (3)

Auditing standards and supporting philosophy. Techniques available to independent public accountants. Prerequisites: ACCT 302,333, DSCI 301.

ACCT 410 Oil and Gas Accounting (3)

Accounting principles and procedures for the petroleum industry. Includes exploration, leasing, drilling and production problems. Prerequisite: ACCT 302.

ACCT 411 Information Systems Theory and Analysis (3)

Introduction to the information systems approach and appropriate computer applications for varied types of organizations. Prerequisite: ACCT 302 and 333.

ACCT 413 Cost Analysis and Profit Planning (3)

Budgeting and use of standard cost systems and in-depth study of cost and profit analysis. Prerequisites: ACCT 303, MNGT 340.

ACCT 415 Advanced Income Tax (3)

Federal Income Tax laws, rules and regulations relating to partnerships, corporations, estates and trusts. Prerequisite: ACCT 405.

ACCT 416 System Audits (3)

Auditing of EDP systems and basic approaches to auditing other types of business/organization systems. Prerequisite: ACCT 406.

ACCT 418 Advanced Financial Accounting Applications (3)

Preparation and analysis of financial reports and statements with a special emphasis on the preparation of general ledger and spreadsheet solutions. Prerequisite: CPSC 101; ACCT 302.

ACCT 420 Contemporary Professional Topics (3)

Comprehensive overview of financial and managerial accounting theory, procedures, and techniques to assist in the integration of major areas for final professional preparation. Prerequisite: at least 30 hours of accounting course work.

ACCT 425 Oil and Gas Taxation (3)

A survey of federal tax law affecting the oil and gas industry. Exploration, development, drilling, leasing, depletion, amortization and windfall profits tax. Prerequisite: ACCT 302 and 405.

Anthropology

Administered by the Division of Behavioral Science. Please see that section for general degree requirements.

The Bachelor of Arts degree program in Anthropology is intended to provide a broad preparation in social and cultural anthropology. A major in Anthropology serves students with at least three orientations. The first orientation includes students who are pursuing a liberal arts education but desire more than an elementary understanding of anthropology. The second includes students wanting to enter careers in primary or secondary education, law, government service, business, management, law enforcement, medicine, social services or other fields in which an understanding of social behavior and organization is advantageous. The third includes students planning to pursue graduate studies in preparation for becoming professionals in any of the sub-fields of anthropology. Most students majoring in Anthropology minor in sociology, psychology, education, life sciences or related disciplines.

The major of anthropology consists of the following:

One course from each of the following groups:

Social and Cultural Anthropology: ANTH 301

Physical Anthropology: ANTH 315

Archaeology: ANTH 401, 416, 417, 418

Two courses from each of the following groups:

Area studies: ANTH 361, 386, 447, 485

Topical studies: ANTH 333, 427

The minor in Anthropology consists of 18 semester credits, of which 12 must be upper level, with a minimum of one course from each group above.

Sample Degree Plan Anthropology

First Semester		Second Semester	
ANTH 301, or 311	3	ANTH 333	3
ANTH 315	3	ANTH 361 or 385	3
Courses In Minor	6	ANTH 401	3
Electives	<u>3</u>	Courses In Minor	<u>6</u>
	15		15
First Semester		Second Semester	
ANTH 416	3	ANTH 427	3
ANTH 437	3	ANTH 447 or 485	3
Courses in Minor	6	ANTH 418	3
Elective	<u>3</u>	Elective	<u>6</u>
	15		15

* Degree plans vary depending upon a student's goals and preparation prior to enrolling at UT Permian Basin. Students should consult with their faculty advisors for specific degree planning.

ANTH 301 Cultural Anthropology (3)

Interrelationship of environment, society, thought and action expressed within our own and different cultures.

Bachelor of Arts

Sample Degree Plan

Course Listing

Anthropology

ANTH 315 Physical Anthropology (3)

Survey of fossil man and study of processes that led to Homo Sapiens.

ANTH 333 Myth, Symbol and Religion (3)

How man identifies himself through symbol systems expressed in ritual practices and religious beliefs, and the impact of religion upon society.

ANTH 361 Indians of the Southwest (3)

Pueblo, Apache, Hopi and Navajo Indians. Social structure, economic organization and history, and Indian relationships to non-Indian ethnic groups.

ANTH 385 Indians of North America (3)

Developing a variety of native cultures north of Mexico. Different culture areas focusing on representative tribes and issues.

ANTH 401 Archaeological Analytic Methods (3)

Recording and cataloging of artifacts, their preservation and care, museum display, and statistical sampling in the field. Prerequisite to any archaeological field course.

ANTH 416 Archaeology of Meso-America (3)

Evolution of Mexican and Mayan civilizations from the early hunters through the Post-Classic Period. Reconstruction of prehistoric civilizations from archaeological evidence.

ANTH 418 Archaeology of North America (3)

Growth of cultures in America north of the Rio Grande River and their relationship to historically known societies.

ANTH 427 Historical Trends In Anthropology (3)

Classical, theoretical contributions in anthropology including major trends of thought in the development of anthropology.

ANTH 433 People and Races (3)

The study of the physical and genetic differences in human beings and the study of human races according to historic and contemporary developments.

ANTH 437 Urban Anthropology (3)

Spatial structure, symbolic structure and social processes within cities of the world. Effects of these upon minority cultures in Midland and Odessa.

ANTH 447 South American Civilizations (3)

Contemporary Quechuas and Aymaras, tribes of the Amazon Basin, and African derived cultures of the Caribbean, the Guianas and Brazil. Impact of westernization on these civilizations.

ANTH 485 Peoples and Cultures of Africa (3)

Peoples and cultures of Africa south of the Sahara. Prehistory, culture area and linguistic classifications of selected cultures and contemporary society.

Art

Administered by the Division of Humanities and Fine Arts.

The visual arts program at UT Permian Basin provides instruction in contemporary modes of expression as well as those of the past. Within the mainstream of modern art, there are numerous options for individual expression, and students are encouraged to seek out those that are best suited to themselves. In accordance with the university's broadly based humanities program, non-art majors are encouraged to enroll for courses.

There are three concentrations in art:

1. The regular major in art is designed for those students seeking a liberal arts degree with art as a major. This program meets the basic standards of the discipline and leaves sufficient electives to permit selecting courses in other disciplines. It is a 36 hour major (minimum of 24 hours at UT Permian Basin) with an eighteen hour minor and gives the student a broad based education in the visual arts.
2. The teacher-certification concentration is designed for those students interested in a teaching career with the public or private school sector. This program is for elementary, secondary and all level certification. It is a 36 hour major for elementary and secondary certification (minimum of 24 hours at UT Permian Basin), and a 48 hour major (minimum of 30 hours at UT Permian Basin) for all level certification. All art majors seeking teacher certification must meet the requirements for the bachelor of arts degree with a major in art.
3. The comprehensive art program is designed for those students interested in teaching at the college and university level or pursuing a career as a professional artist. It is a 49 hour program (minimum of 30 hours at UT Permian Basin), with a foundation in the visual arts that allows the student to concentrate in a particular area of study. Students in this comprehensive program can select from the two-dimensional or three-dimensional art tracks and for those who successfully complete this 49 credit program a senior exhibition in the university gallery is offered. There is no minor required for this degree.

All art majors will be required to meet the visual arts core or its equivalent. Those students transferring in who have not met these requirements must do so before taking upper level courses. There will be a portfolio review of all art majors before enrolling for junior level art courses. Students desiring to take above 60 hours in art (upper and lower level) will require permission of the chairman. All majors are expected to consult with their advisor at the halfway point in their programs to update their degree plans.

All art majors are required to participate in at least two art competitions not associated with the Art Department during their junior or senior year and all art majors are required to participate in a graduating senior exhibition the semester they graduate. The art department reserves the right to retain class work for instructional purposes and for a permanent collection of student work. Students wishing to have a solo exhibition must have the approval of the faculty.

Bachelor of Arts

**Course Listing
Art History**

A minor in art normally consists of 18 hours, 12 of which must be upper level, 9 taken at UT Permian Basin. Students are expected to have completed a course in either two-dimensional design or drawing at the lower level. At the upper level, an art history course and a drawing course are recommended. Students minoring in art may not take more than 9 hours in any one medium.

Students declaring art as a second teaching field must fulfill all requirements for the major in art.

The maximum requirement for the regular art major, elementary and secondary certification in art is 36 hours; 48 hours for all-level certification and 49 hours for the concentrated major.

ART 100: Art Appreciation (3)[†] (ARTS 1301)

The study of art, its role in society, the creative process and standards of artistic judgment. (not for art majors)

ART 200: Art History Survey I (3)

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

ART 201: Art History Survey II (3)

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

ART 301: Women Artists I (3)

The study of women artists from ancient times to the early 1900s. Prerequisite: Art 200 and 201 or permission of the instructor.

ART 302: Women Artists II (3)

The study of women artists from the early 1900s to the present. Prerequisite: Art 200 and 201 or permission of the instructor.

ART 400: Concepts in Modern Art (3)

In-depth study for the underlying ideas on which today's art is based. Prerequisite: Art 200 and 201 or permission of the instructor.

ART 401: Art Since 1945 (3)

From Abstract Expressionism to Neo-Expressionism. Prerequisite: Art 200 and 201 or permission of the instructor.

Design

ART 111 Two-Dimensional Design (3)[†]

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

ART 231 Three-Dimensional Design (3)[†]

The study of three-dimensional design concepts with an emphasis on tools and materials.

Drawing

ART 110 Introduction to Drawing (3)[†] (ARTS 2323)

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

Art

ART 210 Figure Composition I (3)[†]

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

ART 310 Figure Composition II (3)

Figure drawing based on personal response and interpretation of the model with various colored media. Prerequisite: Art 110, 111, 210 or permission of the instructor.

ART 311 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.)

ART 410 Creative Drawing (3)

Drawing based on creativity and personal imagery using various media and approaches. Prerequisite: Art 110, 111, 210, and 310 or permission of the instructor.

ART 411 Special Problems: Drawing (3)*

Advanced work in personal imagery and individual expression in drawing. Prerequisite: Art 110, 111, 210, 310 and 410 or permission of the instructor.

ART 320 Painting: Oil (3)

The study of basic painting techniques: preparations of ground and support for a painting, color and paint handling, the chemistry of paint and pigments including paint modifiers. Prerequisite: Art 110, 111, 210 or permission of the instructor.

ART 321 Painting: Watercolor (3)

Watersoluble media including transparent watercolor, gouache, and mixed media. Prerequisite: Art 110, 111, 210 or permission of the instructor.

ART 420 Advanced Painting (3)

Development of personal imagery in painting, media open. Prerequisite: Art 320 or 321 or permission of the instructor.

ART 421 Special Problems: Painting (3)*

Advanced work in personal imagery and individual expression in painting, media open. Prerequisite: Art 320 or 321 and 420 or permission of the instructor.

ART 331 Sculpture (3)

The study of materials and techniques involved with the creation of sculpture; techniques include additive and subtractive methods of creating form. Prerequisite: Art 110, 111, 210, 231 or permission of the instructor.

ART 430 Sculpture: The Human Form (3)

Formal and alternative methods of figurative sculpture using traditional clay and plaster rendering. Prerequisite: Art 231, Art 331 or permission of the instructor.

Painting

Sculpture

Ceramics

ART 431 Sculpture: Casting (3)

The exploration of traditional and non-traditional forms of casting metal. Prerequisite: Art 231, 331, 430 or permission of the instructor.

ART 432 Special Problems: Sculpture (3)*

A course designed for special problems in personal expression in sculpture and the development of a cohesive body of work. Prerequisite: Art 231, 331, 430 or permission of the instructor.

ART 340 Ceramics for Non-Art Majors (3)

A survey of ceramic processes for the non-art major, including handbuilding and wheelthrowing. An upper level elective open to juniors and above. (Not for art majors.)

ART 341 Ceramic Form (3)

A course in ceramic construction with emphasis on various aspects of ceramic building processes, glaze applications and firing procedures. Prerequisite: Art 110, 111, 210, 231 or permission of the instructor.

ART 342 Low-fire Ceramics (3)

A course emphasizing low-fire clay bodies, glazes and kiln techniques including raku and pit firing. Prerequisite: Art 341 or permission of the instructor.

ART 440 Medium to High-Fire Ceramics (3)

A course emphasizing the use of gas fired kilns and medium to high fire ceramics. Prerequisite: Art 341 or permission of the instructor.

ART 441 Special Problems: Ceramics (3)*

A course for special problems in personal expression in ceramics working towards a cohesive body of work. Prerequisite: Art 341, 342, 440 or permission of the instructor.

ART 442 Clay and Glazes (3)

The scientific approach to the formulation of clay bodies and glazes. Prerequisite: Art 440 or permission of the instructor.

ART 443 Kiln Building (3)

A course exploring the construction of various types of ceramic kilns. Prerequisite: Art 440 or permission of the instructor.

Printmaking

ART 350 Relief Printmaking (3)

A course exploring various relief printmaking methods, including woodcuts, linocuts and wood engraving. Prerequisite: Art 110, 111 and 210 or permission of the instructor.

Art

ART 351 Silkscreen (3)

Processes include building and preparing the silkscreen, cut paper frisket and various stencil techniques. Prerequisite: Art 110, 111 and 210 or permission of the instructor.

ART 450 Intaglio (3)

A course exploring various printmaking techniques with metal plates. Includes plate preparation, drypoint, etching, soft ground, printing and presentation of prints. Prerequisite: Art 110, 111 and 210 or permission of the instructor.

ART 451 Lithography (3)

Processes include drawing with various lithographic media, etching and printing the stone and presentation of prints. Prerequisite: Art 110, 111 and 210 or permission of the instructor.

ART 452 Advanced Printmaking (3)

Advanced problems in printmaking, media open. Prerequisite: Art 350, 351, 450, 451 or permission of the instructor.

ART 453 Special Problems: Printmaking (3)*

Advanced development of personal imagery and individual expression in printmaking, media open. Prerequisite: Art 350, 351, 450, 451 or permission of the instructor.

ART 360 Papermaking (3)

Creating handmade paper using various materials and techniques. Open to non-art majors. Prerequisite: Art 110, 111, 231 or permission of the instructor.

ART 361 Jewelry and Metalworking I (3)

Basic metal jewelry processes with emphasis on design. Prerequisite: Art 110, 111, 210, 231 or permission of the instructor.

ART 362 Textiles and Fabric Design (3)

A course covering the designs of modern tapestry and woven art forms, developing techniques including plain weave, rya, soumak, wrapping and single and double woven warps. Prerequisite: Art 110, 111, 210, 231 or permission of the instructor.

ART 461 Jewelry and Metalworking II (3)

Metal jewelry processes with an emphasis on personal expression. Prerequisite: Art 110, 111, 210, 231, 361 or permission of the instructor.

ART 462 Advanced Problems in Textile Design (3)

Advanced problems in weaving and fabric design with an emphasis on personal expression. Prerequisite: Art 362 or permission of the instructor.

Crafts

Culminating Experiences

ART 392 Apprenticeship (3)*

A course of study with a member of the art faculty assisting them as an apprentice for a particular project. Prerequisite: Art 110, 111, 210, 231 and permission of supervising instructor required.

ART 465 Special Problems (3)*

Special projects designed by the student in consultation with the instructor; may or may not be studio related.

ART 466 Senior Exhibition (1)

An exhibition selected and hung by the student consisting of the student's best work at the university. Restricted to those taking a concentrated major in art.

ART 489 Selected Topics (3)

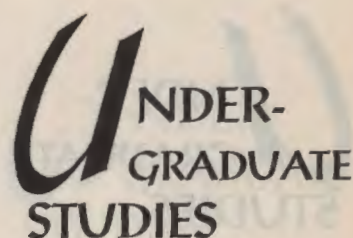
The study of various topics not regularly offered.

ART 492 Internship (3)

An internship with an appropriate organization using skills learned as an art major. Seniors only and permission of the supervising instructor required.

* Course may be repeated for credit as often as approved by instructor.

Chemistry



Administered by the Division of Natural Sciences. Please refer to that section for general degree requirements.

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 society'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. So, understanding chemical reactivity is necessary for our understanding of life and the world around us. Modern chemical instrument 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 opportunity for investment in the future than chemistry.

The Chemistry program at UT Permian Basin follows the guidelines of the American Chemical Society for a Bachelor of Science in Chemistry. This degree is appropriate for a student who wishes to pursue a professional career in chemistry or biochemistry. It is equally appropriate for one who desires a strong background in this central science as preparation for medical, dental, and veterinary schools, pharmacy, medical technology, technical sales, technical patent law, and teaching.

The secondary school chemistry teacher plays a pivotal role in the public's understanding of chemistry, transcending that of any other agent or group. For most citizens, high school chemistry is the first and only opportunity for systematic exposure to the science. Consequently, the teaching of chemistry to secondary school students is an awesome responsibility. Not only must the teacher be proficient in the art and science of teaching, but must also have the knowledge and ability to communicate selected details of chemistry with both simplicity and accuracy. Therefore, students seeking certification in Chemistry as a second teaching field must satisfy the American Chemical Society's guidelines. These require a minimum of 32 SCH in Chemistry with at least 48 SCH in science courses. Certification in Chemistry as a primary teaching field requires completion of a major in Chemistry.

Students may complete the requirements for the degree in Chemistry through either of two plans. Plan A, for professionals, requires a minor. Plan B requires a second major instead of a minor. No more than 45 hours of Chemistry may be applied toward the 120 semester hour minimum required for a degree. Requirements for each plan are listed:

	Plan A:	Plan B:
General CHEM	8 SCH	8 SCH
Organic CHEM	10	10
Analytical CHEM	5	5
CHEM Research	1	1
Physical CHEM	8	4
Advance CHEM courses	12	4
Total	44 SCH	32 SCH

Bachelor of Science

Chemistry

Sample Degree Plan

University, Division, and other requirements are summarized in the following **sample** degree plan (Plan A) for a major in Chemistry. Courses are shown in the semester in which they are usually offered.

Research awards and laboratory assistant positions are usually available to assist students financially.

Freshman Year

<u>First Semester</u>		<u>Second Semester</u>	
ENG 101	3	ENG 102	3
HIST 101	3	HIST 102	3
CHEM 131/133	4	CHEM 132/134	4
MATH 151	4	MATH 152	4
	14		14

Sophomore Year

<u>First Semester</u>		<u>Second Semester</u>	
MATH 251	4	CPSC 110	4
PHYS 221	4	PHYS 222	4
CHEM 311/313	5	CHEM 312/314	5
Minor	4	Minor	4
	16		17

Junior Year

<u>First Semester</u>		<u>Second Semester</u>	
CHEM 401/403	4	CHEM 402/404	4
*CHEM 324/325	5	CHEM 440	3
PLSC 201	3	PLSC 202	3
Minor	4	Minor	4
	16	SPCH 101	3
			17

Senior Year

<u>First Semester</u>		<u>Second Semester</u>	
CHEM 395	3	CHEM 474/475	4
SOC 101	3	CHEM 395	3
ENG 201	3	ENG 202	3
NTSC 401	3	NTSC 411	3
Minor	4	ART 370	3
	16		16

Chemistry

Course Listing

- CHEM 131 General Chemistry I (3)[†]** (CHEM 1311) **FA**
 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.
- CHEM 132 General Chemistry II (3)[†]** (CHEM 1312) **SP**
 Continuation of Chem 131. Kinetics, equilibria, thermodynamics, electrochemistry, environmental chemistry, nuclear chemistry, and organic chemistry. Prerequisite: CHEM 131/133.
- CHEM 133 General Chemistry Lab I (1)[†]** (CHEM 1111) **FA**
 Experiments related to principles and topics covered in CHEM 131. Corequisite: CHEM 131.
- CHEM 134 General Chemistry Lab II (1)[†]** (CHEM 1112) **SP**
 Experiments related to principles and topics covered in CHEM 132. Corequisite: CHEM 132.
- CHEM 311 Organic Chemistry I (4)** **FA**
 Organic functional groups. Emphasizes synthesis and mechanisms. For chemistry, pre-professional and other science majors. Corequisite: CHEM 313.
- CHEM 312 Organic Chemistry II (4)** **SP**
 Continuation of CHEM 311 including an introduction to naturally occurring and biologically important compounds. Prerequisite: CHEM 311/313. Corequisite: CHEM 314.
- CHEM 313 Experimental Organic I (1)** **FA**
 Techniques of separation, purification and synthesis of organic compounds.
- CHEM 314 Experimental Organic II (1)** **SP**
 Continuation of CHEM 313; organic synthesis, qualitative analysis, spectral interpretation, (IR, NMR, MS) and instrument usage. Prerequisites: CHEM 311, 313. Corequisite: CHEM 312.
- CHEM 324 Analytical Chemistry I (3)** **FA**
 Analytical techniques and methods (emphasis on instrumentation) common to all areas of chemistry, medicine and the life sciences. Corequisite: CHEM 325.
- CHEM 325 Analytical Chemistry Lab I (2)** **FA**
 Laboratory experience with instruments and methods presented in CHEM 324. Corequisite: CHEM 324.
- CHEM 395 Research (1, 2, or 3)**
 Laboratory work on some aspect of a chemical research problem. Prerequisite: consultation with chemistry faculty and permission of research advisor. May be repeated for credit.

Chemistry

- CHEM 401 Physical Chemistry I (3)** FA
Kinetic molecular theory, molecular thermodynamics and an introduction to molecular energies. Prerequisites: one year of physics and one year of calculus. Corequisite: CHEM 403.
- CHEM 402 Physical Chemistry II (3)** SP
Kinetics, quantum mechanics, bonding and molecular spectroscopy. Prerequisite: CHEM 401.
- CHEM 403 Experimental Physical Chemistry I (1)** FA
Thermodynamic, kinetic and spectroscopic measurements. High-vacuum techniques and the use of sophisticated equipment in measuring molecular parameters. Corequisite: CHEM 401.
- CHEM 404 Experimental Physical Chemistry II (1)** SP
Continuation of CHEM 403. Prerequisite: CHEM 403. Corequisite or prerequisite: CHEM 402.
- CHEM 440 Medicinal Chemistry (3)** SP
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 312.
- CHEM 451 Biochemistry (3)** FA
Biochemistry from a molecular viewpoint. Emphasis on structure and functions of biocolecules, energy-yielding and requiring processes. Prerequisite: CHEM 312.
- CHEM 472 Organic Structure Determination (3)** SP
A problem solving course that integrates chemical reaction and spectroscopic (IR, UV-VIS, H1 and C13 NMR, MS) information to identify organic compounds. Prerequisite: CHEM 314.
- CHEM 474 Inorganic Chemistry (3)** SP
Modern bonding theories at level appropriate to understanding structure and chemical properties. Periodic relationships applied to families of elements. Prerequisite: CHEM 401 and 402 are desirable.
- CHEM 475 Experimental Inorganic Chemistry (1)** SP
Experiments which illustrate the descriptive nature of chemistry as well as techniques in the synthesis and identification of inorganic compounds.

Computer Science

Administered by the Division of Natural Sciences. Please refer to that section for general degree requirements.

Computer science studies are designed for students interested in computers and their applications, and in the design and analysis of software and hardware systems for use in scientific and/or business environments.

All beginning students are expected to take CPSC 121 and 122 or their equivalent before starting the major courses. These courses introduce general computer concepts and applications and develop programming skills in the programming language Pascal. To complete the major program language requirements, the student will be expected to demonstrate programming competence in a second general purpose high level language. This competency can be demonstrated through the successful completion of a course in an approved language or through programming projects specified by the faculty.

All plans of study in computer science include a common core of courses:

CPSC	310	Digital Computer Organization
CPSC	312	Discrete Mathematics I
CPSC	315	Information Systems Design
CPSC	320	Data Structures

In addition to the common core, the student majoring in computer science is required to complete four advanced computer science courses. These courses will be determined in consultation with the computer science faculty. In support of the major courses, the student is required to complete mathematics courses through calculus of several variables, MATH 252, and at least two additional mathematics courses selected from MATH 301, 310, 313, 315, 330 and 401.

Students at UT Permian Basin majoring in computer science are required to have a minor of at least 18 semester hours, 12 of which must be at the junior or senior level. The choice of the minor is up to the student but should be selected to further the student's education objectives. Through proper selection of the advanced courses in the degree plan the individual student's needs and interests are further addressed. No more than 45 hours of computer science may be applied toward the 120 semester hour minimum required for a degree.

UT Permian Basin offers two basic orientations for the computer science major, each leading to the Bachelor of Science degree. The information systems plan is geared to the specification, design and construction of management information systems and is best supported with a minor in accounting, management or related field. These students might want to include CPSC 415 (Data Base Systems) and ACCT 411 (Information Systems Theory and Analysis) in their programs.

The scientific plan addresses the inner workings of computer systems, programming languages, and applications of the computer to scientific problems including applications of supercomputers. These students might choose mathematics or one of the physical sciences for a minor and include courses such as CPSC 425 (Programming Algorithms) and CPSC 410, 411 (Applications of Numerical Methods I, II) among their advanced electives.

Bachelor of Science

Computer Science

Either plan can be adapted to certification for teaching in the public schools. Students planning to teach should probably elect BASIC (CPSC 230) as a second programming language. All certification students must consult with an advisor in education concerning additional requirements outside of the computer science discipline.

When computer science is a minor used to satisfy the requirements for other degree programs, the following courses are recommended:

CPSC 121, 122	Intro. to Computer Science (8 hrs)	
CPSC 310	Digital Computer Organization	(3 hrs)
CPSC 312	Discrete Mathematics	(3 hrs)
CPSC 315	Information Systems Design	(3 hrs)
CPSC 320	Data Structures	(4 hrs)

Teacher certification in computer science as a second teaching field requires 24 semester hours, 12 in the upper division. Computer Literacy (CPSC 101), BASIC (CPSC 230), and the minor requirements as given above, satisfy this requirement.

For those intending to minor in one of the sciences, additional science courses are generally required. The faculty of the minor department should be consulted regarding preparatory requirements. Students who minor in accounting or management must complete courses in the principles of accounting (two semesters) and the principles of economics (two semesters).

Sample Degree Plan

Here is a sample degree program for a major in computer science:

Freshman Year

<u>First Semester</u>		<u>Second Semester</u>	
CPSC 121	4	CPSC 122	4
MATH 152	4	MATH 251	4
ENG 10	3	ENG 102	3
Lab Sci	4	Lab Sci	4
	15		15

Sophomore Year

<u>First Semester</u>		<u>Second Semester</u>	
CPSC 312	3	CPSC language	4
MATH 252	4	MATH 330	3
ENG 201	3	ENG 202	3
HIST 101	3	HIST 102	3
Minor	3	Minor	3
	16		16

Computer Science

Junior Year

<u>First Semester</u>		<u>Second Semester</u>	
CPSC 310	3	CPSC 315	3
PLSC 201	3	CPSC 320	4
MATH 301	3	PLSC 202	3
Minor	3	Minor	3
PSYC 101	<u>3</u>	SPCH 101	<u>3</u>
	15		16

Senior Year

<u>First Semester</u>		<u>Second Semester</u>	
CPSC 425	4	CPSC 430	3
CPSC 480	4	CPSC 410	4
NTSC 401	3	NTSC 411	3
Minor	3	Minor	3
Elective	<u>3</u>	Elective	<u>3</u>
	17		16

CPSC 101 Computer Literacy (3) (COSC 1301) **FA, SP**
 Introduction to computer systems and common application packages run on them. Database managers, word processors, spreadsheets and statistical analysis systems. Prerequisite: Satisfactory score on mathematics placement examination.

CPSC 110 FORTRAN Programming (4) (COSC 1417)
 Introduction to scientific programming in FORTRAN. Prerequisite: MATH 151.

CPSC 121 Introduction to Computer Science I (4) **FA**
 Computer organization, algorithm design, programming, and elementary data structures. introduction to programming. Prerequisite or corequisite: MATH 151.

CPSC 122 Introduction to Computer Science II (4) **SP**
 Continuation of CPSC 121. Data structures, including searching and sorting algorithms, data abstraction. Advanced programming. Prerequisite: CPSC 121.

CPSC 210 COBOL Programming (3) (COSC 1432)
 Programming in COBOL, Combined Business Oriented Language. Prerequisite: CPSC 122.

CPSC 220 C Programming (3) (COSC 1420)
 Programming in C, investigating the characteristics and implementation. Prerequisite: CPSC 122.

CPSC 230 Basic Programming (3)
 Programming skills in BASIC, Beginners All Purpose Instructional Code. Prerequisite: CPSC 122.

CPSC 310 Digital Computer Organization (3)
 Design of arithmetic, control and memory units, binary data representation, error-detecting and error-correcting codes. Prerequisite: CPSC 122.

CPSC 312 Discrete Mathematics I (3)
 Same as MATH 312.

Course Listing

Computer Science

CPSC 313 Discrete Mathematics II (3)

Same as MATH 313.

CPSC 315 Information Systems Design (3)

SP

Computer systems and relationships between hardware and software components. Emphasis on business system design and analysis. Prerequisite: CPSC 122.

CPSC 320 Data Structures (4)

Design and programming of data handling structures such as linear lists, linked lists, stacks, queues, graphs, trees and strings. Prerequisites: CPSC 122, CPSC 312.

CPSC 400 History of Computation (3)

SP

Same as MATH 400.

CPSC 410 Applications of Numerical Methods (4)

Same as MATH 410.

CPSC 415 Database Systems (4)

Survey of network, hierarchical and relational database systems, their design and operation. Prerequisites: CPSC 310, 320.

CPSC 425 Programming Algorithms (4)

Investigation of programming strategies, and the analysis of algorithms to optimize them from memory and time constraints. Prerequisite: CPSC 320.

CPSC 430 Operating Systems (3)

Resource allocation including processors, main memory, I/O subsystems, and software resources. Prerequisites: CPSC 310, 320.

CPSC 450 Artificial Intelligence and Heuristic Programming (4)

Analysis of information content by statistical, syntactic, semantic and heuristic methods and systems which answer questions, play games, prove theorems and recognize patterns. Prerequisites: CPSC 310, 320, MATH 252.

CPSC 470 Data Communications (3)

Design and development of computer networks, network types, protocols; transmission rates and data integrity. Prerequisites: CPSC 310 and permission of the instructor.

CPSC 480 Programming Languages (4)

Fundamental concepts and general principles underlying the structure of high level programming languages in current use. Prerequisites: CPSC 320, knowledge of two high level programming languages. CPSC 310 is recommended.

CPSC 490 Theory of Computation (3)

Turing machines, Church's thesis, recursive functions, computability, and computational complexity. Prerequisite: CPSC 312 or MATH 315.

CPSC 495 Research (1-4)

Research in a selected field of computer science. Prerequisite: Consultation with the major advisor and permission of research sponsor. May be repeated for credit.

Criminology

Administered by the Division of Behavioral Science. Please refer to that section for general degree requirements.

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 UT-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 constructively participate in the improvement of both.

Students will take course work in criminology and related courses in sociology. The criminology advisor will assist in developing a degree plan which best suits the needs of the individual student.

Requirements for a bachelor of arts degree are 36 semester credit hours. Five courses are specifically required for the major: (CRIM 201, SOC 355, SOC 403, CRIM 432 and CRIM 499). The maximum number of credits in the major is 47. Credits beyond this maximum will not be counted toward the 120 minimum hours necessary to graduate.

Requirements for a minor in criminology are 18 semester credit hours of which 12 credits must be junior or senior level courses.

All students must complete 15 semester credits of core courses, followed by 21 semester credits from a selected list of criminology and related sociology course work.

CRIM 201 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.

CRIM 340 Criminal Justice Administration (3)

Administrative problems and their solutions in correctional and law enforcement programs.

CRIM 350 Social Deviance (3)

Study of societal definitions and reactions to deviant acts in relationship to ethnicity, social class and legal institutions. The student may enroll in this course for credit in sociology (crosslist with SOC 350).

Bachelor of Arts

Course Listing

Criminology

CRIM 355 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.

CRIM 360 Applied Social Science (3)

Presents the applications of social science in developing and assessing social policy. The course will help students understand what skills they can learn in order to practically utilize sociology. It is also intended to introduce students to the variety of opportunities available to sociology graduates. The student may enroll in this course for credit in sociology (crosslist with SOC 360).

CRIM 365 Juvenile Delinquency and Justice (3)

A study of the juvenile justice system, theories of causation, the distribution and frequency of delinquency, correctional treatment, and prevention programs in modern society. The student may enroll in this course for credit in sociology (crosslist with SOC 365).

CRIM 370 Victimology (3)

Emphasizes the role of space and place in determining the time, location, and character of crimes. Attention is given to the interactions between victims and offenders, the criminal justice system, and other societal groups and institutions. The student may enroll in this course for credit in sociology (crosslist with SOC 370).

CRIM 404 Qualitative Research Methods (3)

Research projects will be designed that take into account natural social settings. Participant observation and other qualitative methods will be used to gather information and generate analysis of people in their natural settings. The student may enroll in this course for credit in sociology (crosslist with SOC 404).

CRIM 410 Criminal Law (3)

Legislature and criminalization of conduct, limits of criminal sanctions, evolution of substantive criminal law with emphasis on Texas, judiciary and policy formulation, and administration of criminal law.

CRIM 411 Legal Research and Writing (3)

Introduction to the study of law, the legal system, and the procedures for conducting legal research. Emphasizes the development of legal research skills and legal writing techniques.

CRIM 412 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.

Criminology

CRIM 415 Sociology of Organization (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, and adopt tactics for survival, and how they fail. The student may enroll in this course for credit in sociology (crosslist with SOC 415).

CRIM 418 Social Demography (3)

An introduction to the basic components of population change and to historical and contemporary theories of demography. Current research issues affecting fertility, mortality, and migration will be examined. The student may enroll in this course for credit in sociology (crosslist with SOC 418).

CRIM 420 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.

CRIM 421 Probation and Parole (3)

History, philosophy and development of adult and juvenile probation and parole in the United States.

CRIM 422 Legal Foundations of Corrections (3)

Historical analysis of constitutional law, appellate and Supreme Court decisions and their impact upon correctional institutions.

CRIM 431 Comparative Criminology (3)

A cross-cultural comparative study of crime, criminological research, and criminal justice systems. The student may enroll in this course for credit in sociology (crosslist with SOC 431).

CRIM 432 Theories of Criminal Behavior (3)

Principal theories of criminality and the application of these theories to research and corrections. The student may enroll in this course for credit in sociology (crosslist with SOC 432).

CRIM 433 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. The student may enroll in this course for credit in sociology (crosslist with SOC 433).

Criminology

CRIM 434 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.

CRIM 435 Advanced Criminological Theory

An in-depth analysis of one or more of the principal theories of criminology and the social policy, ethical and correctional implications of that theoretical approach. The student may enroll in this course for credit in sociology (crosslist with SOC 435). Prerequisite: CRIM 432 or SOC 432 or consent of instructor.

CRIM 479 Studies In Criminology (3)

Reading, research and discussion on selected topics in criminology. Topics will vary according to needs, interests and capability of the instructor and students.

CRIM 480 Urban Sociology (3)

Social and ecological organization of cities. Emphasis on the American City; its settlement patterns, ethnic and racial groups and impact of urbanism on personality. The student may enroll in this course for credit in sociology (crosslist with SOC 480).

CRIM 492 Internship In Criminal Justice (3)

A supervised field or academic education in a criminal justice, juvenile justice or related agency. Students are offered the opportunity to gain the knowledge, methods and skills of the agency and will further complete an academic assignment as established by the instructor.- Prerequisite: 12 upper division hours in criminology and the consent of the instructor.

CRIM 494 Independent Research in Criminology (3)

Study of research under supervision of a member of the criminology or sociology faculty. Students wishing to enroll should prepare a short plan for this coursework.

CRIM 499 Senior Research Seminar (3)

A scientific research study under the supervision of a member of the criminology or sociology faculty. The integration of theory and research is emphasized through basic or applied research. Prerequisite: Senior standing and SOC 355 and SOC 403.

Earth Sciences

Administered by the Division of Natural Sciences. Please refer to that section for general degree requirements.

A Bachelor of Science degree in Earth Sciences is primarily for those who plan to teach earth sciences at the elementary or secondary school level, who plan on graduate study in earth sciences education, or who desire a knowledge of the earth sciences but do not wish to actively practice the profession of geology.

For the Bachelor of Science In Earth Sciences the following courses are required:

Subject	Semester Hours
Phys 221, 222	8
Chem 131, 133, 132, 134	8

To provide a well-rounded background, the following distribution of coursework totaling 42 semester credit hours is required for the degree.

Group 1. Mineralogy+, optical mineralogy+, petrology+, petrography, carbonate petrology, geochemistry, volcanology: a minimum of 10 hours.

Group 2. Historical geology+, introduction to paleontology+, stratigraphy and sedimentation+, sedimentology, paleoecology, micropaleontology, carbonate depositional environments, clastic depositional environments, oceanography: a minimum of 8 12 hours.

Group 3. Physical geology+, structural geology+, plate tectonics, exploration geophysics: a minimum of 4 8 hours.

Group 4. Petroleum geology, well-site geology, groundwater hydrology, metallic mineral deposits, nonmetallic mineral deposits, engineering geology.

Twelve additional hours from groups 1-4.

Courses noted (+) are required courses.

Students seeking teacher certification in Geology or Earth Sciences as a second teaching field must complete a minimum of 25 semester credit hours to include: GEOL 101, 102, 307, 308, 314, 323, and 440 plus the requirements set forth by the faculty of education. However, if the degree is to be a Bachelor of Science in Earth Sciences, all the courses required for that degree must be taken.

Students minoring in Geology or Earth Sciences are required to have GEOL 101, 102, 307, 308, 314, and 440.

In addition to the required geology courses, a minor in mathematics, chemistry, computer science, life sciences, or physics of at least 12 upper level credits is recommended; other subjects may be used. No more than 45 hours of geology may be applied toward the 120 semester hour minimum required for a degree.

Bachelor of Science

Economics

Bachelor of Arts

Administered by the Division of Business Administration. Please refer to that section for general degree requirements.

The Economics program is designed to prepare economists or to serve other disciplines such as accounting, finance, land management, management, marketing, engineering, government, education, sociology or history. Economics includes two broad areas: microeconomics and macroeconomics.

Microeconomics is an area applicable to any study of human endeavor where scarce resources must be allocated among competing uses. It is the study of man's behavior in producing, exchanging and consuming material goods and services. Macroeconomics includes the study of the performance of the economy as a whole and includes such problems as inflation, unemployment and the rate of economic growth. Both programs at UT Permian Basin include forecasting so that individuals, firms and governmental bodies may adjust to anticipated economic conditions.

A basic understanding of economics is essential for a well-informed citizenry since most of today's problems have important economic aspects. It is also a vital discipline for, and is of practical value in, business decision-making. An understanding of the overall operation of the economic system puts businesses in a better position to formulate policies.

In spite of its practical benefits, economics is primarily an academic, not a vocational subject. In economics, problems are examined from a social, rather than an individual, point of view.

The undergraduate major in Economics aims to provide students 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.

Free Electives	24 Credits
Quantitative Techniques	6 Credits
Minor Field Outside Economics	12 Credits
Major courses in economics	18 Credits

Sample Degree Plan

Sample Degree Plan Economics 122 hours

Freshman Year

First Semester		Second Semester	
ENG 101	3	ENG 102	3
HIST 101	3	HIST 102	3
MATH 181	3	MATH 182	3
Science	4	Science	4
SPCH 101	3	Visual/Performing Arts	3
	16		16

Economics

Sophomore Year

First Semester

Literature	3
PLSC 201	3
PSYC 101	3
ECON 201	3
CPSC 101	3
	<u>15</u>

Second Semester

Sociology	3
PLSC 202	3
Free Elective	3
ECON 202	3
Free Elective	3
	<u>15</u>

Junior Year

First Semester

ECON 303	3
DSCI 301 ¹	3
ECON 3xx/4xx	3
Free Elective	3
Minor Elective	3
	<u>15</u>

Second Semester

ECON 423	3
Minor Elective	3
MNGT 340 ²	3
ECON 3xx/4xx	3
Free Elective	3
	<u>15</u>

Senior Year

First Semester

ECON 3xx/4xx	3
Minor Elective	3
Free Elective	9
	<u>15</u>

Second Semester

ECON 3xx/4xx	3
Minor Elective	3
Free Elective	9
	<u>15</u>

¹DSCI 301 must be completed by the end of the first semester of the junior year.

²MNGT 340 must be completed by the end of the junior year.

NOTE: All economics courses except ECON 407 require ECON 201 and ECON 202 as prerequisites.

ECON 201 Principles of Macroeconomics (3) (ECON 2301)

An introduction to the modern economic society and theories of production and exchange. Emphasis upon macroeconomics theory and practice. Prerequisite: Sophomore standing.

ECON 202 Principles of Microeconomics (3) (ECON 2302)

A study of the theory of the firm. Supply and demand relationships, utility concepts, and cost and revenue curves as they relate to price theory and forms of

Course Listing

ECON 303 Intermediate Microeconomics (3)

Underlying assumptions of rational consumer behavior. Expected actions of profit-motivated firms under perfect and imperfect competitive conditions. Prerequisite: ECON 202.

ECON 320 Labor-Management and Collective Bargaining (3)

Interpretations of collective bargaining agreements, their negotiation and administration, and methods for settling disputes. Prerequisite: MNGT 310.

ECON 322 Money and Banking (3)

How banks, the Federal Reserve and U.S. Treasury interact to determine money supplies. Recent and current attempts to control inflation and unemployment. Prerequisite: ECON 201 and 202.

ECON 407 Econometrics (3)

Focus is on applied econometrics in estimating and testing simple, multiple and simultaneous equation models, including problems of multicollinearity, autocorrelation and generalized least squares. Prerequisite: DSCI 301.

ECON 415 Government Regulation of Business (3)

History, institutions and theory of regulated business activity. Problems of public utility regulation. Cases in regulated industry, with emphasis on the petroleum/natural gas industry. Prerequisite: MNGT 310.

ECON 420 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. Prerequisite: ECON 201 and ECON 202.

ECON 423 Intermediate Macroeconomics (3)

Theory of employment, price level and growth rate. Relationship between accepted theories and actual data in recent years. Issues raised by controls. Prerequisite: ECON 201.

ECON 425 Managerial Economics I (3)

Uses economic analytical tools including demand forecasting, resource allocation and cost profitability. Prerequisites: DSCI 301; MNGT 340.

ECON 430 Economics of Industry (3)

Study of the market processes which direct industry to satisfy societal demands; how these processes may fail, and possible remedies. Prerequisite: ECON 303.

Education

Teacher preparation at UT Permian Basin is a cooperative venture between the university and local public schools in the Midland/Odessa area. The focus of the program is on developing an academically well-prepared prospective teacher who can readily meet the needs of our Texas public school youth. The faculty responsible for teacher preparation at UT Permian Basin strive to maintain an active presence in select public schools not only for student teaching, but for course delivery of teaching methodologies as well. Student teachers will maintain the daily schedule and calendar required of public school supervising teachers to whom they are assigned. The length of student teaching will be 10 consecutive weeks of full day assignments for Elementary and 16 consecutive weeks for Secondary and All-level, as defined by the Education Division. Each program, whether it be Elementary, Secondary or All-level, requires that the student attend a seminar during the student teaching semester (See pages 67-69).

Deadlines for receipt of student teaching applications are given below. The application is due by the date indicated in the semester **prior** to student teaching. Further details are provided in the catalog and through your Education advisor.

Deadline	Student Teaching Semester
March 18th.....	Fall
October 15th.....	Spring

In order to be recommended for the provisional teacher's certificate, the applicant shall pass exiting competency examinations. This set of tests is referred to as the Texas Educator Initial Certification Test (ExCET). The rules allow certification candidates to take the tests during the last semester of their certification program unless the last semester is during the summer. If the last semester is during the summer, students may take the tests during the previous spring semester. More information about the testing program is available through the Texas Education Agency or the Education Office.

UT Permian Basin aims to prepare teachers under a performance-based teacher education plan. This approach is designed to assure that when students finish a teacher education program they are fully qualified to perform as teachers in the classroom. This means they have not only passed their courses, but they have also demonstrated knowledge of the subject matter they will teach and have competence to perform effectively in diverse teaching situations.

Individuals holding a bachelor's degree and desiring to become certified to teach may enroll in the teacher education program as nondegree special students and limit their study only to required courses.

The Texas Education Agency requires college credit or examination credit in educational computing and technology and speech prior to certification. The TASP and other tests are usually required for all post-baccalaureate students. No more than six hours of professional education courses may be taken until all three sections of the TASP are passed. Individual plans are to be written and approved by the Education advisor.

Teacher Certification

Bilingual Education and ESL

UT Permian Basin offers several options in bilingual education and ESL. Undergraduates may pursue a 24 hour specialization in bilingual education, which can be added to elementary or secondary certification as an additional certification. In addition students may pursue a 12 hour endorsement in bilingual education students may complete a multicultural minor, which coordinates with the certification and endorsement programs in bilingual education and ESL.

Multicultural Minor

(Must select from at least three disciplines)

Select two leveling courses from the areas listed below: (may be lower level courses)

(Psychology, Sociology, Political Science, Anthropology, etc.)

Select 12 hours from the following:

SOC 444	EDUC 436
EDUC 471	EDUC 416
PSY 341	EDUC 415
EDUC 462	EDUC 468
EDUC 463	HIST 411
EDUC 429	

Professional Development Sequence

(Schematic by Level)

Elementary

Course No.	Course Title	Semester Hours
Professional Development-Non Education Content (3 hrs.) required		
PSYC 431	Child Psychology	3
Professional Development (18 hrs.) Professional (3 hrs.) required		
EDUC 370	Foundations of Education	3
Elementary Methods (9 hrs.) required		
EDUC 420	Education Lab	1
EDUC 421	Teach Language Arts, Elementary School	2
EDUC 422	Teach Math, Elementary School	2
EDUC 423	Teach Science, Elementary School	2
EDUC 424	Teach Social Studies, Elementary School	2

Education

Student Teaching (6 hrs.) required

EDUC	480	Kindergarten	3
EDUC	481	Elementary I	3
EDUC	482	Elementary II	6
EDUC	487	Special Education	3
EDUC	488	Bilingual	3
Total Semester Hours			21

Secondary

Course No.	Course Title	Semester Hours
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Reading (3 hrs.) required

EDUC	470	Reading in Content Area	3
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Professional Development-Non Education Content (3 hrs.) required

PSYC	342	Adolescent Psychology	3
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Professional Development (18 hrs.) Select One Course (3 hrs.)

EDUC	451	Education of the Exceptional Child	3
EDUC	471	Culture & Learning	3
EDUC	432	Curriculum in Kinesiology/Phys Ed	3

Required (15 hrs.)

EDUC	370	Foundations of Education	3
EDUC	430	Education Lab	2
EDUC	431	Theory and Practice of Teaching (First Field)	2
EDUC	431	Theory & Practice of Teaching (Second Field)	2
EDUC	484	Student Teaching: Secondary II	6
Total Semester Hours			24

All-Level

Course No.	Course Title	Semester Hours
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EDUC	470	Reading in Content Area	3
PSYC	341	Child Psychology	3
PSYC	342	Adolescent Psychology	3

Professional Development (18 hrs.) required

Select One Course (3 hrs.) required

EDUC	451	Education of the Exceptional Child	3
EDUC	471	Culture & Learning	3
EDUC	432	Curriculum in Kinesiology/Phys Ed	3

Education

Required (15 hrs.)

EDUC 370	Foundations of Education	3
EDUC 420	Education Lab: Elementary	1
EDUC 430	Education Lab: Secondary	1
EDUC 431	Theory & Practice of Teaching (Elementary)	2
EDUC 431	Theory & Practice of Teaching (Secondary)	2
EDUC 485	Student Teaching: All Level I	3
EDUC 486	Student Teaching: All Level II	3
Total Semester Hours		27

Students who seek teaching certification are subject to further requirements. For secondary certification, a second 24 semester credit hour field must be completed, the specific content of which should be worked out with the appropriate discipline. This second teaching field serves as the minor. For elementary certification, an 18 semester credit hour minor must be completed in an academic discipline. An interdisciplinary minor in multicultural studies is also available. Faculty in the Division of Education should be consulted for specific course and testing requirements for certification.

Prospective students are encouraged to contact UT Permian Basin faculty members in the appropriate discipline for assistance in planning lower level programs or for more specific information about upper level work. At least 18 semester credit hours in the major and 12 in the minor must be completed at the upper level, though some disciplines may require more.

Lower Level Preparation

Lower Division or Community College Preparation

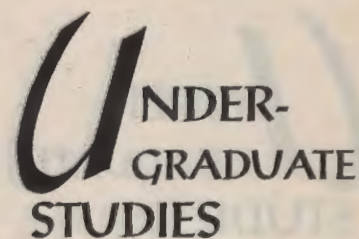
The appropriate transfer curricula for public junior colleges in Texas established by the Texas Higher Education Coordinating Board, will be accepted in its entirety and applied to appropriate degree programs. The student should note, however, that most programs require more mathematics and basic science than are usually listed in those transfer curricula.

Certain courses in some UT Permian Basin degree programs require preparatory courses which are not included in the transfer curricula. For specific requirements and prerequisites, the applicant should meet with a faculty member in his or her prospective discipline. Lower level preparation for most programs in the Division will include 60 to 66 semester credit hours of work.

Requirements for General Education are provided below.

Provisional Teacher Certification
General Education Requirements

Education



Minimum Requirements

English

Composition (6 hrs) required

Literature (6 hrs) required

Speech (3 hrs) required

American History (6 hrs) required

U.S./Texas Government (6 hrs) required

Natural Science (with lab) (4 hrs) required

Mathematics (content of College Algebra of above) (3 hrs) required

Computing and Information Technology (3 hrs) required

Fine Arts (3 hrs) required

Electives (20 hrs) required

Social Science

Natural Science

Mathematics

Foreign Languages

Fine Arts

Humanities

Total Semester hours in General Education 60

EDUC 322 Children's Literature (3)

Literature intended for children. History and criticism of books for children, illustration of these books and recent trends in the use of literature.

EDUC 420 Educ Lab (1)

Offers opportunity for field experience in an elementary school. Prior to student teaching, the prospective student teacher will spend a minimum of 45 hours observing and assisting in the elementary classroom(s) where he/she will ultimately be student teaching. To be taken during the same semester as EDUC 421, 422, 423.

EDUC 421 Teaching Language Arts in the Elementary School (2)

Offers opportunity for development skills of effective oral and written communication for prekindergarten and elementary teachers. Offers opportunity for development of techniques and implementation of methods and materials in a teaching center. Prerequisite: PSYC 341, EDUC 424 and 425.

EDUC 422 Teaching Mathematics in the Elementary School (2)

Offers opportunity to develop mathematics skills needed to teach new as well as traditional activities in prekindergarten and elementary levels. Prerequisite: PSYC 341, EDUC 424 and 425.

Course Listing

Elementary Education

Education

EDUC 423 Teaching Science in the Elementary School (2)

Offers opportunity to develop science skills needed to teach new as well as traditional activities in prekindergarten and elementary levels. Prerequisite: PSYC 341, EDUC 424 and 425.

EDUC 424 Teaching Social Studies in the Elementary School (2)

Social studies materials and methods for those seeking certification in prekindergarten and elementary levels. Prerequisite: PSYC 341.

EDUC 425 Reading in the Elementary School (3)

Basic methods, trends, recent materials and issues in teaching reading. Prerequisite: PSYC 341.

***EDUC 361 Children's Literature for the Bilingual Classroom (3)**

Identification, selection and utilization of library material, both in English and Spanish, from preschool through the upper elementary age.

***EDUC 438 Strategies for Teaching Science, Mathematics and Social Studies in Spanish (3)**

Emphasis on developing plans, materials and teaching demonstrations in Spanish.

***EDUC 461 Educational Psychology of the Bilingual Child (3)**

Methods, materials, language organization and developmental principles affecting the bilingual child and his learning environment.

***EDUC 462 Teaching the Bilingual Child (3)**

Bilingual programs and orientation to various methods used in establishing bilingual programs.

***EDUC 463 Teaching Reading and Language Arts In Spanish (3)**

A critical analysis of materials in Spanish available for teaching language arts and reading. A survey of strategies for teaching reading and language arts to Spanish speaking.

EDUC 471 Culture and Learning (3)

The study of the interrelationship of culture and learning. The major emphasis is upon environmental influences on socialization, cognition and achievement.

EDUC 370 Foundations of Education (3)

Selected valuation, epistemological and historical considerations related to education as a process of human development, as a social-political institution and as a profession.

EDUC 430 Education Lab (1,2)

Offers opportunity for field experience in a secondary school. The semester prior to student teaching, the prospective student teacher will spend a minimum of 45 hours observing and assisting in the secondary classroom(s) where he/she will ultimately be student teaching. To be taken during the same semester as EDUC 431. Prerequisite: PSYC 342.

* Denotes ESL/ Bilingual Education

Education

EDUC 431 The Theory and Practice of Teaching (2)

Field-based course in the discipline in which the student is majoring. Emphasis upon the content, methods and materials characteristic of the discipline. Prerequisite: PSYC 342.

EDUC 480 Student Teaching: Kindergarten and Young Child (3)

Prerequisite: PSYC 341, EDUC 411, 413, 420, 421, 422, 423, 424, 425.

Corequisite: EDUC 412. All but six hours of major completed.

EDUC 481, 482 Student Teaching: Elementary I, II (3, 6)

Prerequisite: PSYC 341, EDUC 420, 421, 422, 423, 424, 425. 24 hours of major completed.

EDUC 483, 484 Student Teaching: Secondary I, II (3, 6)

Prerequisite PSYC 342, EDUC 430, 431. 24 hours completed in each teaching field.

EDUC 485, 486 Student Teaching: All Level I, II (3,3)

Prerequisite: PSY 341, PSY 342, EDUC 420, 430 431. All but six hours of major completed in each teaching field.

EDUC 487 Student Teaching: Special Education (3)

Prerequisite: Same as Elementary I or Secondary I, whichever applies.

***EDUC 488 Student Teaching: Bilingual (3)**

Prerequisite: PSYC 341, EDUC 420, 421, 422, 423, 424, 425. All but six hours of major completed.

EDUC 411 Early Childhood Education: Development and Learning (3)

Literature of early childhood education with emphasis upon environmental factors affecting cognitive growth, socialization and achievement. Prerequisite: PSYC 341

EDUC 412 Early Childhood Education: Curriculum and Teaching (3)

Review and development of curriculum, materials and methods used in nursery school and kindergarten, focusing on the goals and purposes of programs. Prerequisite: PSYC 341.

EDUC 413 Language Development In Young Children (3)

Nature of language and the acquisition of language by the young child. Includes environmental influences and contingent effects on socialization, cognition and achievement. Prerequisite: PSYC 341.

EDUC 414 Cognitive Development In Young Children (3)

Major theoretical constructs and research findings relevant to the cognitive development of young children. Includes analysis of determinants of differences in cognitive functioning. Same as PSYC 442.

* Denotes ESL/ Bilingual Education

Student Teaching

Kindergarten and Young Child

Special Education

EDUC 415 Social and Emotional Development of the Child (3)

Major theories and research relevant to social and emotional development of children. Focuses on innate and environmental influences affecting development in families, schools and societies. Same as PSYC 443.

EDUC 451 Education of Exceptional Children (3)

Exceptional children and their educational problems. Curriculum development and adaptation of selected methods and materials basic to teaching these exceptional children.

EDUC 452 Theory and Methods of Exceptional Children (3)

Theories and methodologies used in teaching and evaluating exceptional students. Prerequisite: EDUC 451 or consent of instructor.

EDUC 453 Education of Exceptional Children In the Regular Classroom (3)

Identification and etiology of prevalent handicaps found in classes; curriculum development adaptation; and selected methods and materials for teaching these handicapped children.

EDUC 454 Theory and Methods in Education of the Mentally Retarded (3)

Theory, methods and basic curriculum for the educable mentally retarded in primary and intermediate levels. Curriculum content, specific materials and methods of instruction.

EDUC 455 Observation/Participation In Special Education (1-3)

Offers opportunity for directed experiences in observation and participation in special education classrooms.

EDUC 456 Materials and Methods for the Exceptional Child (3)

Instructional materials and the selection, analysis and use of materials for individualized instruction of the exceptional child.

***EDUC 416 Methods of Teaching English as a Second Language (3)**

An introduction to theoretical and practical aspects of teaching English as a Second Language (written and oral) to non English speaking children.

EDUC 432 Curriculum In Physical Education (3)

Current curriculum theory and practice is examined. Factors affecting yearly planning, unit planning and lesson planning are identified.

EDUC 441 Classroom Management (3)

Avoiding discipline problems by arranging the classroom environment and course content as well as controlling the consequences for learning. Same as PSYC 460.

***EDUC 467 Advanced Problems In English as a Second Language (3)**

A comparative and contrastive analysis of the interrelationships of language, culture and learning in the classroom setting.

Curriculum and Instruction

* Denotes ESL/ Bilingual Education

Education

***EDUC 468 Linguistics and Grammar for the English as a Second Language Teacher (3)**

A survey of the structures of English as well as general issues in language such as language variation, non-verbal communication and uses of language.

EDUC 470 Teaching Reading In the Content Area (3)

Offers opportunity for skills and knowledge needed to evaluate and increase reading in specific content areas at all grade levels.

***EDUC 428 Linguistics and Grammar for the English as a Second Language Teacher (3)**

A survey of the structures of English as well as general issues in language such as language variation, non-verbal communication and uses of language.

***EDUC 429 Language Development and Acquisition (3)**

Theories of psycholinguistics and sociolinguistics applied to the acquisition of one or more languages in early childhood and school learning.

***EDUC 436 Advanced Problems In English as a Second Language (3)**

A comparative and contrastive analysis of the interrelationships of language, culture and learning in the classroom setting.

Bachelor of Arts

Administered by the Division of Humanities and Fine Arts.

The goal of the English program includes the following: first, to help students develop their ability to read and write critically; second, to provide them with a breadth of knowledge about the major periods, movements, and genres in British and American literature; third, to enhance their awareness of the cultural contexts of literary texts. Students who complete an English major or minor would be able to read intelligently and imaginatively, would be able to write and converse about literary and non-literary works with clarity and style, and would have mastered professional skills 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.

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 hours of courses at the sophomore level and above are required for the major, with a minimum of 24 hours at the upper level.
3. The major must include one course from each of these six groups:
 - Group I, British Literature to 1800 (3 hours)
 - Group II, British Literature since 1800 (3 hours)
 - Group III, American Literature to 1865 (3 hours)
 - Group IV, American Literature since 1865 (3 hours)
 - Group V, Language, Grammar, and Composition (3 hours)
 - Group VI, Genre Studies and Literary Criticism (3 hours)

At least six hours of those outlined above must be devoted to a broad survey of literature, 3 hours in American and 3 in British. These may be taken as lower division work; if taken at UT Permian Basin, select either 301 or 302, and either 321 or 322. Degree plans should also include a variety of genres, with courses in poetry, fiction and drama represented.

An English minor includes 18 semester hours at the sophomore level and above, which should be selected in consultation with the major advisor according to the principle of broad coverage outlined for the major. At least 12 semester hours must be at the upper level. The English Department recommends the following, for an English minor:

- One survey course in American literature and one in British literature. (6 hours total)
- At least two additional courses in American, British, or world literature. (The English Department recommends no more than one course in each area.) (6 hours)
- One course from the following: ENG 340, 371, 372. (3 hours)
- One course from the following: ENG 451, 452, 453, 461 or a course that concentrates on a single genre (e.g., ENG 401, 405, 432). (3 hours)

English

Students designating English as a second teaching field for secondary certification must satisfy all requirements for the major.

Sample Degree Plan

The student who has devised this degree plan has decided to emphasize poetry. The English Department encourages students to explore special interests while gaining broad familiarity with British and American literature.

Freshman Year

First Semester

ENG 101	3
General Educ	7
Free Electives	6
	16

Second Semester

ENG 102	3
General Educ	7
Free Electives	6
	16

Sophomore Year

First Semester

ENG 201	3
Course in Minor	3
General Educ	6
Free Elective	3
	15

Second Semester

ENG 202	3
ENG 301	3
Course in Minor	3
General Educ	3
Free Elective	3
	15

Junior Year

First Semester

ENG 402	3
ENG 322	3
Course in Minor	3
General Educ	6
	15

Second Semester

ENG 411	3
ENG 340	3
Course in Minor	3
General Educ	6
	15

Senior Year

First Semester

ENG 452	3
ENG 421	3
Course in Minor	3
General Educ	6
	15

Second Semester

ENG 469 (Shakespeare)	3
Course in Minor	3
General Educ	3
Free Electives	6
	5

*Degree plans vary depending upon a student's goals and preparation prior to enrolling at UT Permian Basin. Students should consult with their faculty advisors for specific degree planning.

ENG 099 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 ENG 101. 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.)

Sample Degree Plan

Course Listing

ENG 101 Composition I (3)[†] (ENG1301)

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.

ENG 102 Composition II (3)[†] (ENG 1302)

Composition II offers instruction in the various modes of written expression (descriptive, expository, narrative, objective, self-expressive) as well as the purposes and principles governing the presentation of research in a documented paper. Prerequisite: ENG 101.

ENG 200 Critical Reading of Literature (3)[†]

An introduction to the three major genres of literature—poetry, drama and fiction—with emphasis on the close reading and explication of lyric poetry, so that students learn basic features of a literary text (symbol, allusion, metaphor, plot or poetic design) and are prepared for upper level courses. After mastering the skills, vocabulary and methods involved in reading poems, the class then will proceed to study special issues involved in reading fiction and drama. Frequent writing assignments. Prerequisite: ENG 102 or equivalent.

ENG 201 Critical Reading of Fiction (3)[†]

Close reading of novels and short stories in order to understand the defining characteristics of fiction as a genre, the distinct subgenres of novel and short story, and the historical development of the genre. Frequent written assignments. Prerequisite: ENG 102 or equivalent.

ENG 202 Critical Reading of Poetry (3)[†]

Introduction to the basic principles of English versification and the structures of poetic discourse (including figurative language, allegory, tone), and to the historical development of poetry in English. Frequent writing assignments. Prerequisite: ENG 102 or equivalent.

ENG 203 Drama in Context (3)[†]

Introduction to the study of drama through concentration on a specific genre or a significant question about human experience. Particular attention is paid to each work's historical and cultural contexts. Frequent writing assignments. Prerequisite: ENG 102 or equivalent.

ENG 301 American Literature to 1865 (3)[†]

Chronological examination of writers, works and movements in fiction, nonfiction and poetry through 1865. (Group III; satisfies American literature survey requirement) Prerequisite: one sophomore course in English.

English

ENG 302 American Literature Since 1865 (3)†

Chronological examination of writers, works and movements in fiction, nonfiction and poetry from 1865 to the present. (Group IV; satisfies American literature survey requirement) Prerequisite: one sophomore course in English.

ENG 320 British Literature to 1660 (3)

Chronological survey of major works in British literature from Beowulf through Milton. (Group I; satisfies British literature survey requirement) Prerequisite: one sophomore course in English.

ENG 321 British Literature, 1660 to 1800 (3)†

Chronological survey of major works in British literature from the Puritan Revolution through the restoration and late 18th century. (Group I; satisfies British literature survey requirement) Prerequisite: one sophomore course in English.

ENG 322 British Literature Since 1800 (3)†

Chronological survey of major works of British literature from the Romantics (about 1800) to the Modern Period. (Group II; satisfies British literature survey requirement) Prerequisite: one sophomore course in English.

ENG 330 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 sophomore course in English.

ENG 340 Advanced Composition (3)

Writing 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. (Group V) Prerequisite: ENG 102 or equivalent.

ENG 341 Creative Writing (3)

Emphasis on the student's own writing (poetry, drama, or fiction), with significant attention paid to literary genres and conventions and to criteria for evaluating creative work. Workshop format. May count as an elective in literature. Prerequisite: ENG 102 or equivalent.

ENG 371 The English Language (3)

Survey of topics in modern linguistics as they pertain to English and to literature. Includes study of phonetics, morphology, semantics, syntax, pragmatics, and the history of the English language. (Group V)

ENG 372 English Grammar (3)

A systematic study of various theories of English grammar, with attention to both traditional and contemporary approaches. (Group V)

ENG 401 19th Century American Poetry (3)

Historical development of American poetry from colonial era through 1900's, with emphasis on poetry in its cultural and historical settings, and on both period and current theories of poetry. (Group III) Prerequisite: one junior level survey course.

ENG 402 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. (Group IV) Prerequisite: one junior level survey course.

ENG 404 Nonfiction in American Literature (3)

Study of canonical and noncanonical works from the Colonial Period to the present, with special consideration of the "Nature Essay" as an indigenous form of American literature. All readings in English. (Group depends on content) Prerequisite: one junior level survey course.

ENG 405 American Drama (3)

Historical development of American drama; types of dramatic literature and masterpieces in American drama. (Group IV) Prerequisite: one junior level survey course.

ENG 406 Ethnic Literature (3)

Study of canonical and noncanonical texts from ethnic cultures of the United States, in historical contexts, from the Colonial Period to the present. All readings in English. (Group depends on content.) Prerequisite: one junior level survey course.

ENG 411 19th Century American Fiction (3)

Masterpieces in American prose fiction, through the late 19th century. (Group III) Prerequisite: one junior level survey course.

ENG 412 20th Century American Fiction (3)

Masterpieces in American prose fiction, late 19th century to the present. (Group IV) Prerequisite: one junior level survey course.

ENG 421 British Poetry to 1800 (3)

Poetry as a literary genre through major works of British poetry from the Middle Ages to 1800. (Group I) Prerequisite: one junior level survey course.

ENG 422 British Poetry Since 1800 (3)

Poetry as a literary genre through major works of British poetry from 1800 to the present. Prerequisite: one junior level survey course. (Group II)

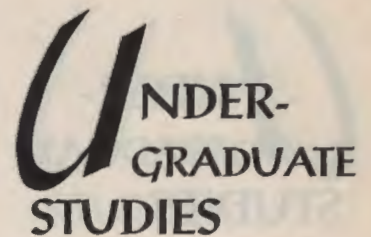
ENG 425 British Drama to 1800 (3)

Drama as a literary genre through major works of British drama from the Middle Ages to 1800. Prerequisite: one junior level survey course. (Group I)

ENG 426 British Drama Since 1800 (3)

Drama as a literary genre through major works of British drama from 1800 to the present. Prerequisite: one junior level survey course. (Group II)

English



ENG 431 The Eighteenth-Century British Novel (3)

The origin and development of the British novel from Defoe to Austen.

Prerequisite: one junior level survey course. (Group II)

ENG 432 The Nineteenth-Century British Novel (3)

The development of the British novel in the nineteenth and early twentieth centuries.

Prerequisite: one junior level survey course. (Group II)

ENG 433 The Twentieth-Century British Novel (3)

The development of the British novel in the twentieth century. Prerequisite: ENG 351 or consent of instructor. (Group II) Prerequisite: one junior level survey course.

ENG 440 Advanced Professional Writing (3)

Intensive work in business and technical writing, with the purpose of developing a portfolio. Workshop format. This course is intended for students planning careers or graduate study in business, the sciences, and related fields, as well as for English majors and minors planning a career involving business or technical writing. Prerequisite: ENG 340 or permission of instructor based on a review of a writing portfolio.

Prerequisite: one junior level survey course. (Group V.)

ENG 441 Advanced Creative Writing (3)

Intensive work in one or more genres, with the purpose of producing a body of work to be made public. Workshop format. May count as an elective in literature. Prerequisite: ENG 341 or permission of instructor based on a review of a writing portfolio. (Group VI.)

ENG 450 The Bible as Literature (3)

Selected books of both Old and New Testaments studied to develop an understanding of their variety and literary value. Some attention will be given to historical and geographical contexts. Prerequisite: one junior level survey course. (Elective)

ENG 451 Advanced Topics in Fiction (3)

Application of specific critical methodologies to a range of prose fictions with the purpose of developing a sophisticated grasp of the genre's modes, structures, and essential contexts. Prerequisite: ENG 201 or permission of instructor.

ENG 452 Advanced Topics in Poetry (3)

Application of specific critical methodologies to a range of poems with the purpose of developing a sophisticated grasp of the genre's modes, structures, and essential contexts. Prerequisite: ENG 202 or permission of instructor.

ENG 453 Advanced Topics in Drama (3)

Application of specific critical methodologies to a range of dramatic works with the purpose of developing a sophisticated grasp of the genre's modes, structures, and essential contexts. Prerequisite: ENG 203 or permission of instructor.

ENG 459 Studies In Literature (3)

Specific periods, themes, authors or literary types. Contents vary according to the interest, needs and capabilities of the instructor and students. Prerequisite: one junior level survey course. (Group depends on content)

ENG 461 Literary Criticism (3)

A study of the history and methods of literary criticism, from Plato to the present, as these are relevant to current theory and practice. Prerequisite: one junior level survey course. (Group VI)

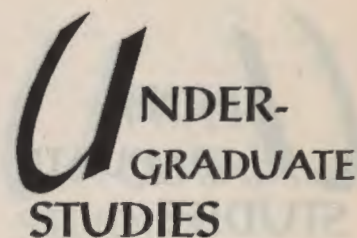
ENG 469 Studies in a Major Author (3)

Works of a major author in American, British, or world literature. Prerequisite: one junior level survey course. (Group depends on content)

ENG 471 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: one junior level English course or permission of instructor. (Group V)

Environmental Science



Offered by the Division of Natural Sciences. Students seeking a minor in Environmental Science will consult with their major advisor regarding requirements. Students in the Environmental Science program at The University of Texas of the Permian Basin will study the interrelationships between the environment and organisms and the effect humans have on the environment. Use of energy sources, agricultural methods and water management will be studied in reference to our ethical responsibilities and will be helpful in business and industry.

A minor in Environmental Science leads to jobs in fields including environmental policy and planning, environmental education, natural resource management, pollution control, conservation, lobbying, and environmental communication.

For this minor, students should complete 16 hours of freshman chemistry and biology (CHEM 131/133, 132/134 and LFSC 110/111, 120/121), eight hours of which satisfy the eight hours in Physical and Life Science, in the general education core.

Recommended Courses Satisfying a Minor in Environmental Science

LFSC 304	Introduction to Environmental Science	(3)
ENSC 310	Water and Wastewater Treatment plus Lab	(3)
ENSC 320	Groundwater Hydrology	(3)
LFSC 472/473	Ecology plus Lab	(4)

Interested students should contact the Director of the Division of Natural Sciences.

ENSC 310 Water and Wastewater Treatment (3)

Sampling, physical, chemical, and biological properties of water, methods of water and wastewater treatments and the quality of reclaimed water will be discussed.

Prerequisite: four hours of freshman chemistry and four hours of freshman biology.

ENSC 320 Groundwater Hydrology (3)

This survey course will emphasize containment hydrogeology. Topics include basic terminology and concepts, groundwater characteristics such as: flow, pumping tests, geology, water chemistry, contamination, development and management, legal framework, and modeling.

Course Listing

**Bachelor of Business
Administration**

Administered by the Division of Business Administration. Please refer to that section for general degree requirements.

Finance coursework provides an understanding of the financial structure of the U.S. economy. It includes monetary theory and practice, investment management principles (especially those used in operating major financial institutions and pension funds), and finance functions in industrial and commercial firms (with emphasis on portfolio management, insurance and real estate).

The degree requires 24 hours of coursework for the major.

The requirements for the BBA in finance are included in the program outlined below:

Sample Degree Plan

Sample Degree Plan-Finance 122 hours

Freshman Year

<u>First Semester</u>		<u>Second Semester</u>	
ENG 101	3	ENG 102	3
HIST 101	3	HIST 102	3
MATH 181	3	MATH 182	3
Science	4	Science	4
SPCH 101	3	Visual/Performing Arts	3
	16		16

Sophomore Year

<u>First Semester</u>		<u>Second Semester</u>	
Literature	3	Sociology/Psychology	3
PLSC 201	3	PLSC 202	3
ACCT 231	3	ACCT 232	3
ECON 201	3	ECON 202	3
CPSC 101	3	BLAW 320/321	3
	15		15

Junior Year

<u>First Semester</u>		<u>Second Semester</u>	
DSCI 301 ¹	3	ACCT 333	3
FIN 322	3	DSCI 302	3
MNGT 310	3	FIN 320	3
ACCT 301	3	MNGT 340 ²	3
MRKT 300	3	Free Elective	3
	15		15

Finance

Senior Year

<u>First Semester</u>		<u>Second Semester</u>	
MNGT 311	3	FIN 421	3
ECON 407	3	FIN 424	3
FIN 321	3	FIN Elective	3
FIN 420	3	MNGT 475	3
FIN Elective	3	Free Elective	3
	15		15

¹DSCI 301 must be completed by the end of the first semester of the junioryear.

²MNGT 340 must be completed by the end of the second semester of the junior year.

*Degree plans vary depending upon a student's goals and preparation prior to enrolling at UT Permian Basin. Students should consult with their faculty advisors for specific degree planning.

FIN 310 Free Enterprise (3)

Business and government interactions with emphasis on legislative and free enterprise attitudes and perceptions.

FIN 320 Financial Management Principles (3)

Business organization including corporate securities, financing through securities; expansion and combination including reorganization, receivership and dissolution and working capital and administration of incomes. Prerequisite: ACCT 231, ACCT 232; ECON 201, ECON 202 and DSCI 301.

FIN 321 Intermediate Financial Management (3)

Topics oriented course for finance majors. Topics include leasing, working capital management, international finance, mergers, and bankruptcy as well as more in depth coverage of topics such as dividend policy, capital structure, leverage, and strategic financial decision making covered in FIN 320. Prerequisite: FIN 320.

FIN 322 Commercial Banking (3)

How banks, the Federal Reserve and U.S. Treasury interact to determine money supplies. Recent and current attempts to control inflation and unemployment.

FIN 323 Financial Management Applications (3)

Exploration of specific financial management problems such as financial forecasting, cash budgeting, lease versus borrow, bond refunding, and option pricing. Emphasis on structuring problems and solutions using spreadsheet analysis. Prerequisite: FIN 320.

FIN 326 Financial Theory and Practice For Nonprofit Organizations (3)

Financial management principles and practices of public, nonprofit organizations. Prerequisite: FIN 320.

FIN 331 Principles of Real Estate (3)

Real estate administration, financing, estimations, zoning and other environmental considerations.

Course Listing

FIN 333 Insurance Principles and Practices (3)

Life, casualty and property insurance. Prerequisite: FIN 320.

FIN 345 Evaluation and Appraisal of Real Estate (3)

The theory and practice of property evaluation, cost estimation, investment earnings and forecasts, principles, and technology. Prerequisite: FIN 320, FIN 331.

FIN 420 International Financial Management (3)

A comprehensive study of the structure and functioning of the international monetary system stressing historical and contemporary philosophies of the role of currency exchange mechanisms. Equilibrium exchange rate determination, balance of payments theory and risk management techniques are examined within the context of current developments in international financial management practices. Prerequisite: FIN 320.

FIN 421 Investment Management (3)

Securities analysis, portfolio management and capital budgeting decisions using both qualitative and quantitative economic measures. Prerequisite: FIN 320.

FIN 422 Commercial Bank Financial Management (3)

A capstone course at the undergraduate level in financial institutions focusing on the role of commercial banks within the U.S. financial system. Emphasis on operations, regulation, and structure of the commercial bank system. Prerequisite: FIN 320, FIN 322.

FIN 423 Macroeconomics: Financial Forecasting (3)

Theory of employment, price level and growth rate. Relationship between accepted theories and actual data in recent years. Issues raised by controls. Prerequisite: FIN 320.

FIN 424 Capital Markets and Institutions (3)

Funds flow in aggregate financial systems, structure of financial markets, interaction of aggregate financial factors, and policies and operations. Prerequisite: FIN 320, FIN 322 and ACCT 301.

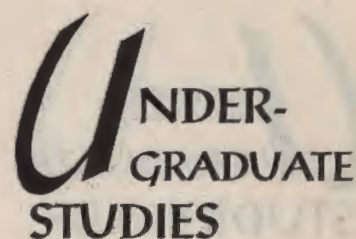
FIN 430 Financial Statement Analysis (3)

Incorporates ratio analysis and interpretation of balance sheet and income statement data; account classifications and income measurements; company ratios, trends and present position; development of industry standards and status of business indicators; as a guide for economic forecasting and decision making. Prerequisite: FIN 320; ACCT 301.

FIN 445 Real Estate Finance and Analysis (3)

Emphasis on the financial management of real estate assets in an institutional setting with special attention given to evaluation and control of risk and return tradeoffs by the decision maker. Prerequisite: FIN 320; FIN 345.

Foreign Languages



Administered by the Division of Humanities and Fine Arts.

FREN 101 (4)

A beginning course in French I. 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 two days.

FREN 102 (4)

A beginning course in French II. A continuation of French 101. Prerequisite: French 101 or one unit of high school French.

FREN 201 (3)

A second year course in French I. Prerequisite: French 101 and 102 or two units of high school French. Readings, cultural background, conversation and composition.

FREN 202 (3)

A second year course in French II. A continuation of French 201. Prerequisite: French 201 or three units of high school French.

GERM 101 (4)

A beginning course in German I. 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 two days.

GERM 102 (4)

A beginning course in German II. A continuation of German 101. Prerequisite: German 101 or one unit of high school German.

Because it shares the Hispanic heritage of Texas and lies in close proximity to Latin American countries, UT Permian Basin offers the student of Spanish and the potential professional, unique learning and cultural experiences as well as scores of career possibilities and opportunities. Besides offering a living language and a cultural laboratory in which to study and work, the Spanish program provides several specific areas of concentration designed to meet the student's particular academic requirements and career objectives. Some of these areas are interdisciplinary in character; that is, they are tied into academic programs other than Spanish. Thus they afford the potential professional in literature, education, business or science the flexibility to enroll in relevant courses of primary or secondary importance.

Program concentrations in Spanish include:

1. Spanish as a major.
2. Spanish for elementary school teachers.

Bachelor of Arts

Courses in French

Courses in German

Courses in Spanish

Foreign Languages

3. Spanish for secondary school teachers.
4. Spanish as a minor.
5. Master of Arts in Education with concentration in Spanish.
6. Master of Arts in English with concentration in Spanish.

The first three courses of study lead to the bachelor of arts degree in Spanish. A proficiency test will be administered to each student entering the Spanish program to assess the student's specific academic needs.

A major in Spanish consists of a minimum of 30 credits at the 200 level and above divided as follows:

1. 6 credits of Spanish language or its equivalent at the sophomore level.
2. 12 credits of required Spanish language courses at the upper division level as follows: SPAN 301, 302, 331, 431.
3. Minimum of 12 credits of additional upper level courses, to be identified by an advisor in the Spanish program, according to the specific concentration of the student, that is, elementary bilingual education, secondary education with Spanish as the major subject area, or a major in Hispanic letters.

The minor in Spanish consists of 18 credits, 12 of which must be at the upper level. Students declaring Spanish as a second teaching field must fulfill all requirements for the major in Spanish.

NOTE: Students with a background in high school foreign language study may take a CLEP test, and if scores justify it, may place out of first and/or second year, receiving three or six hours of college credit.

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.

Graduate course offerings in Spanish are listed under Special Courses in the Graduate section.

Course Listing

SPAN 101 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 two days per week.

SPAN 102 A Beginning Course in Spanish II (4)

A continuation of Spanish 101. Prerequisite: Spanish 101 or one unit of high school Spanish.

SPAN 201 A Second Year Course in Spanish I (3)

Prerequisite: Spanish 101 and 102 or two units of high school Spanish. Readings, cultural background, conversation and composition.

Foreign Languages

SPAN 202 A Second Year Course in Spanish II (3)

A continuation of Spanish 201. Prerequisite: Spanish 201 or three units of high school Spanish.

SPAN 301 Advanced Grammar and Syntax (3)

Analysis of more technical and advanced points of Spanish grammar and syntax with comparisons made to English. Prerequisites: Minimum requirements in Spanish language for entry in program and placement test.

SPAN 302 Advanced Composition and Conversation (3)

Designed to improve oral and written Spanish. Presentation of topics related to the diverse cultures, peoples, history of Spain and Latin America, especially Mexico. Prerequisite: SPAN 301.

SPAN 321 Hispanic Civilization (3)

Currents and characteristics of Spanish culture as expressed through the centuries in literature, art, philosophy and history. Prerequisite: SPAN 302.

SPAN 331 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.

SPAN 401 Spanish Literature I (3)

Spanish Peninsular literature from the early period to the 18th century. Prerequisite: SPAN 421 or instructor's approval.

SPAN 402 Spanish Literature II (3)

Spanish Peninsular literature from the 19th century to the present. Prerequisite: SPAN 421 or instructor's approval.

SPAN 411 Spanish-American Literature I (3)

Spanish-American literature from the Pre-Hispanic period through Romanticism. Prerequisite: SPAN 421 or instructor's approval.

SPAN 412 Spanish-American Literature II (3)

Spanish-American literature from Modernism to the present. Prerequisite: SPAN 421 or instructor's approval.

SPAN 421 Literary Forms and Analysis (3)

Principal literary forms in Hispanic letters and methodology for critical literary analysis. Prerequisite: SPAN 302.

SPAN 422 Creative Literary Expression in Spanish (3)

Opportunity to develop skills used in creative writing. Emphasis on developing style and techniques as related to one specific literary form to be announced each time course offered. Prerequisite: SPAN 302.

Foreign Languages

SPAN 431 Spanish Phonetics and Phonemics (3)

Spanish phonology with emphasis on oral drills; an introduction to elementary applied linguistics. Prerequisite: SPAN 301.

SPAN 437 Hispanic Literature and Culture through Travel (3)

Intensive classroom preparation followed by guided travel to countries and sites of cultural and literary importance.

SPAN 451 Mexican Literature (3)

Survey of Mexican literature from pre-Hispanic times to present with emphasis on contemporary literary themes, movements and genres. Prerequisites: SPAN 421 or instructor's approval.

SPAN 452 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 421 or instructor's approval.

SPAN 459 Special Studies In Spanish and Spanish-American Literature (3)

Specific periods, themes or literary types. Contents vary according to the interests and needs of the instructors and students. Prerequisite: SPAN 421 or instructor's approval.

SPAN 469 Studies of a Major Author (3)

Works of a major author in Peninsular or Spanish-American literature. Prerequisite: SPAN 421 or instructor's approval.

SPAN 470 Intensive Spanish Grammar for Reading (3)

This course has been devised for students whose needs are not filled by existing grammar courses and those whose sole interest is to acquire a reading knowledge of Spanish. Non-majors only.

SPAN 471 Spanish for the Professional (3)

Specialized vocabulary for health, law, education (nonteaching), social and civil services, business and tourism. Given in professional area as demanded. No major credit. Prerequisite: SPAN 301, 311, or 312.

SPAN 478 Hispanic Children's Literature (3)

Study of Hispanic children's literature including not only available texts but the oral tradition. Comparative literature orientation, emphasizing parallels with myths, fables and folk literature of other lands.

Geography

The University of Texas of the Permian Basin offers a minor in Geography. Students majoring in other fields will find Geography a strong support minor. Geography is useful in a broad range of employment fields including urban and rural planning, environmental planning and transportation. Geography is a particularly useful field for those seeking teacher certification.

Students seeking to minor in Geography are required to have GEOG 201, 202, 301, 302, 307, and one of GEOG 310, 403, 404, 406.

GEOG 201 Physical Geography (3) (GEOG 1301)

Introduction to physical geography: landforms; soils; surface water; groundwater; climate; and vegetation.

GEOG 202 Human Geography (3) (GEOG 1302)

Introduction to the principles and concepts of human geography, and a survey of the major cultural divisions of the Earth.

GEOG 301 Maps and Map Interpretation (3)

History of maps and mapping, types and uses of maps, sources of maps, map reading and interpretation. Prerequisite: GEOG 201 or GEOL 101 or permission of the instructor.

GEOG 302 Geomorphology (Same as GEOL 302) (3)

Surface features of the globe, their form, nature, origin and development, and the changes they are undergoing. Prerequisite: GEOG 201 or GEOL 101 or permission of the instructor.

GEOG 307 Climatology (3)

Introduction to meteorological phenomena and climatological processes and regimes of the Earth. Prerequisite: GEOG 201 or GEOL 101 or permission of the instructor.

GEOG 310 World Regional Geography (3)

An introduction to the physical and cultural geography of world regions. Prerequisite: GEOG 210,202 or permission of the instructor.

GEOG 403 Geography of Middle America (3)

Physical and cultural geography of Mexico, the countries of Central America and the Caribbean Islands. Prerequisite: GEOG 310 or permission of the instructor.

GEOL 404 Geography of South America (3)

Physical and cultural geography of South America. Prerequisite: GEOG 310 or permission of the instructor.

GEOL 406 Geography of the Middle East (3)

Physical, cultural, and economic geography of the northeastern Mediterranean, Arabian Peninsula, and southwestern Asian countries. Prerequisite: GEOG 310 or permission of the instructor.

Course Listing

Bachelor of Science

Administered by the Division of Natural Sciences. Please refer to that section for general degree requirements.

Studies in Geology are designed to prepare students for graduate work and for careers in the petroleum and mining industries. Those intending to pursue Geology as a teaching field should see the description of Earth Sciences.

A minor in Environmental Geology is available as of the Fall of 1993.

For the Bachelor of Science in Geology the following courses are required:

Subject	Semester Hours
Phys 221, 222	8
Chem 131/133, 132/134	8

To provide a well-rounded background, the following distribution of coursework totaling 45 credit hours is required for the degree.*

Group 1. Mineralogy+, petrology+, optical mineralogy+, petrography+, carbonate petrology, geochemistry, volcanology: a minimum of 13 hours.

Group 2. Historical geology+, introduction to paleontology+, stratigraphy and sedimentation +, sedimentology+, paleoecology, micropaleontology, carbonate depositional environments, clastic depositional environments: a minimum of 15 hours.

Group 3. Physical geology+, structural geology+, plate tectonics, exploration geophysics: a minimum of 8 hours.

Group 4. Petroleum geology, well-site geology, groundwater hydrology, metallic mineral deposits+, nonmetallic mineral deposits, engineering geology: a minimum of 3 hours.

Group 5. Summer field geology+: 6 hours.

Noted courses (+) are required courses. No more than 45 hours of geology may be applied toward the 120 semester hour minimum required for a degree.

*In addition to the required geology courses, a minor in mathematics, chemistry, computer science, biology/life sciences, or physics of at least 12 upper level credits is required.

Course Listing

GEOL 101 Physical Geology (4)[†] (GEOL 1403)

Survey of earth's structure, composition, and the dynamic processes that through time have resulted in the modern distribution of geographic regions, landforms, and resources.

Geology

UNDER-
GRADUATE
STUDIES

GEOL 102 Historical Geology (4)[†] (GEOL 1404)

Study of earth's origin, geologic time, and the major sequential physical and biological events that culminate in the modern distribution of ecosystems. Special emphasis is placed on the geologic history of North America.

GEOL 203 Mineralogy (4)

Symmetry. Crystals. Identification and description of minerals, especially the rock-forming minerals, in hand specimen. Prerequisites: GEOL 101, CHEM 131/133, 132/134 or equivalents.

GEOL 204 Petrology (3)

Origin, distribution, recognition, and description of igneous, sedimentary, and metamorphic rocks in hand specimen. Prerequisite: GEOL 203 or equivalent.

GEOL 305 Structural Geology (4)

Principles of structural geology, including theory of rock behavior under stress, and descriptions of major structural features. Prerequisites: GEOL 101, MATH 152, 251, and PHYS 221, 222 or equivalents.

GEOL 306 Optical Mineralogy (3)

Optical crystallography and identification of minerals using the polarizing microscope. Prerequisites: GEOL 203 and PHYS 221, 222 or equivalents.

GEOL 307 Introduction to Paleontology (4)

History and evolution of life based on fossil evidence. Prerequisite: GEOL 102.

GEOL 308 Stratigraphy and Sedimentation (4)

Principles of stratigraphy and sedimentation including weathering, transport, deposition, and characteristics of sedimentary rocks and their correlation. Stratigraphic and paleotectonic development of North America and classical areas elsewhere in the world. Prerequisites: GEOL 203, 204 or 314. Strongly recommended: GEOL 305, 307.

GEOL 323 Environmental Geology (3)

Relationships of earth science to human problems and the environment, especially geological problems associated with mass urban growth. Not for geology majors.

GEOL 400 Field Geology (6)

Field techniques for systematic geologic mapping utilizing topographic maps. Prerequisites: GEOL 204, 305, 307, and 308. Taught during the summer only.

GEOL 406 Exploration Geophysics (3)

Geophysical techniques employed for exploration work. Includes seismic, gravimetric, magnetic, and electrical methods. Prerequisite: GEOL 405.

GEOL 409 Sedimentology (3)

Processes of weathering, transportation, and deposition of sediments, including low-temperature geochemistry and diagenesis. Characteristics and attributes of sedimentary rocks including formation of permeability and porosity and interpretation of the sedimentary record. Prerequisites: GEOL 204, 305, and 308.

GEOL 414 Clastic Depositional Environments (3)

Physical nature of modern and ancient siliclastic deposits emphasizing use of modern analogs in interpretation of ancient deposits. Prerequisites: GEOL 204, 306, 307, and 409.

GEOL 417 Petrography (3)

Description, classification, and origin of igneous, sedimentary, and metamorphic rocks. Laboratory course utilizing thin sections and the polarizing microscope. Prerequisites: GEOL 204 and 306.

GEOL 424 Metallic Mineral Deposits (3)

Origin, characteristics, and migration of ore-bearing solutions; controls of ore deposition; and geologic associations, distribution, exploration for, and exploitation of metalliferous deposits. Prerequisite: GEOL 305. Corequisite: GEOL 417.

GEOL 425 Groundwater Hydrology (3)

Theory and engineering concepts of groundwater flow and development; relationship of groundwater and surface water; occurrence of water in rocks; and basin analysis. Prerequisite: GEOL 409.

GEOL 427 Petroleum Geology (3)

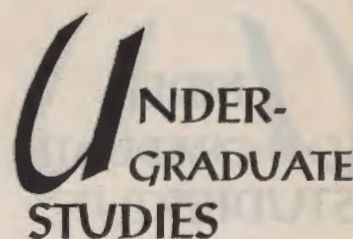
Origin, nature, migration, and accumulation of petroleum; coal and oil shale; exploration for and exploitation of mineral fuel deposits. Prerequisites: GEOL 308 and 454.

GEOL 440 Earth Resources and the Energy Crisis (3)

Geology, origin, and general economics of mineral and fuel deposits, their importance to the national economy, and current problems of supply. Prerequisites: GEOL 203, 204 or 314.

*If the last digit of a course number is odd, the course is normally taught during the fall semester. If the last digit of a course number is even, the course is normally taught during the spring semester.

Health Science



Professional schools in health sciences seek well-trained, versatile students who, in addition to displaying leadership, social maturity and human-relations skills, possess the physical, emotional and intellectual stamina required for a successful career in medicine, dentistry, osteopathy and others. Toward that end, undergraduate students should concentrate their studies in a primary area of interest, realizing that usually the professional school admissions committee is more interested in the quality and scope of the work than in the major field chosen.

Absolute requirements for professional schools are deliberately kept minimal, permitting students wider flexibility in choosing academic programs that best fit their individual interests. These requirements normally include at least one year of English, two years of chemistry and biology, one year of physics and one to two years of mathematics. Students already having an undergraduate degree but who desire additional preparation for entry into one of the health professions may complete all or part of Plan A of the Life Science curriculum as a post-baccalaureate program.

Concepts and vocabulary common to the sciences and basic to the study of medicine are essential. In addition, a thorough understanding of the fundamentals of chemistry, physics, biology and mathematics is essential as most advances in medicine are based on developments in these disciplines.

Specific requirements may vary slightly among professional schools, making it prudent for students to identify early in their academic career the specific requirements established by the professional schools of their choice. Because of the extremely competitive nature of admission to the professional schools, students are strongly advised to pursue an undergraduate degree program that will permit several career alternatives.

Information on the requirements of specific schools, factors involved in the school admission process, finances, the admissions examination and other matters of interest to preprofessional students may be obtained from the Health Professions Advisory Committee of the university. Interested students should contact the Chair of Life Science.

Pre-Professional

Bachelor of Arts

Administered by the Division of Humanities and Fine Arts.

The study of history represents humanity's attempt to understand the past, not only what happened but why it happened. It has been said that those who ignore history are doomed to repeat the mistakes of the past. Thus, the study of history leads to an understanding of human present behavior, customs, and traditions and also provides a basis for understanding future developments.

History is an ideal major for students preferring a broad liberal arts education. It also provides good preparation for a number of careers including government, industry, writing, and other fields. History is a basic major for those preparing to teach history or social studies at all levels.

The history program provides preparation typical of baccalaureate degree programs in history elsewhere, while at the same time allowing flexibility so students may build an emphasis in an area or areas of special interest.

While there are no specifically required courses for majors, students must complete at least one upper level course (3 semester-credit hours) in each of four fields: American history to 1900; twentieth-century American history; European history; Latin American history. It is desirable that these courses be completed during the junior year.

Courses Satisfying Field Requirements

1. American History to 1900

*HIST	353	Southwestern United States
*HIST	371	American Minorities
*HIST	441	Early American History
*HIST	442	The Nationalizing of American Life
*HIST	443	The Age of Jackson, 1828-1860
*HIST	451	History of American Thought, I
*HIST	453	The Old West
*HIST	454	Civil War and Reconstruction
*HIST	455	The American South
*HIST	456	Trans-Mississippi West
*HIST	458	National Leadership in the Dilemma of Democracy
*HIST	461	American Foreign Relations to 1920
*HIST	475	Women in Early America
*HIST	479	Studies in American History

2. Twentieth-Century American History

* HIST	351	Modern Texas
* HIST	447	Twentieth Century America to 1941
* HIST	448	Twentieth Century America Since 1941

History

- * HIST 452 History of American Thought, II
- * HIST 458 National Leadership in the Dilemma of Democracy
- * HIST 462 American Foreign Relations Since 1920
- * HIST 468 Business in Modern American
- * HIST 473 Urban America
- * HIST 476 Women in Modern America
- * HIST 479 Studies in American History

3. European History

- HIST 311 Ancient Near East
- HIST 312 Imperial Rome
- HIST 323 The Renaissance
- HIST 324 The Reformation
- HIST 326 Europe Since 1815
- HIST 331 Tudor-Stuart England
- HIST 332 Great Britain Since 1714
- HIST 435 Twentieth Century Revolutions
- HIST 436 Nazi Germany
- HIST 439 Studies in World History

4. Latin American History

- HIST 314 Modern Latin America
- HIST 411 Modern Mexico
- HIST 412 Latin America in Crisis
- HIST 439 Studies in World History

Students majoring in History also must complete one seminar course, preferably during their senior year. A seminar requires the preparation of an extended research paper making significant use of primary source materials. Other courses are selected by students and their advisor in the context of background, preparation, interests, needs and professional plans.

A minor in history consists of 18 hours, 12 of which must be at the upper level.

Students declaring history as a second teaching field must fulfill all requirements for the major in history.

Students needing to satisfy Texas state statute requirements may do so by successfully completing any two United States or American history courses marked *.

***HIST 101 History of the United States to 1877 (3)[†] (HIST1301)**
 A survey of major social, economic, and political developments in the United States from European colonization through reconstruction.

***HIST 102 History of the United States Since 1877 (3)[†] (HIST 1302)**
 A survey of major social, economic, and political developments in the United States from 1877 to the present.

Course Listing

HIST 201 History of Western Civilization I (3)

The major social, economic, political, and cultural developments in the Western world from ancient times to 1400.

HIST 202 History of Western Civilization II (3)

The major social, economic, political, and cultural developments in the Western world from 1400 to the present.

HIST 311 Ancient Near East (3)

A survey of the ancient civilizations arising from the Mesopotamian and Mediterranean regions, including Egypt, the Hebrews and other small nations, and the Hellenistic world.

HIST 312 Imperial Rome (3)

This course surveys Roman history from its ancient foundations through the era of the republic to its eventual decline as an empire.

HIST 314 Modern Latin America (3)

Political, social, cultural and economic development of South America and Caribbean from Independence to the present.

HIST 323 The Renaissance (3)

This course examines the context, concept and contribution of the Renaissance of the 15th and 16th centuries in Western Europe.

HIST 324 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.

HIST 326 Europe Since 1815 (3)

Major social, economic, political, and intellectual developments in Western Europe from 1815 to the present.

HIST 331 Tudor-Stuart England (3)

Political, religious, economic, and social development of England between 1485 and 1714.

HIST 332 Great Britain Since 1714 (3)

Political, economic, and social development of Great Britain and its empire from 1714 to the present.

***HIST 351 Modern Texas (3)[†]**

Political, social, economic, and historical development of modern Texas. Includes field work in state and local history.

***HIST 353 Southwestern United States (3)[†]**

Development of analytical and writing skills through use of primary source materials relating to regional history. Training and practice in oral history techniques.

History

***HIST 371 American Minorities (3)†**

Experiences and contributions of minorities in the development of American political and cultural traditions and institutions.

HIST 411 Modern Mexico (3)

Political, social, cultural, and economic development of Mexico from Independence to the present.

HIST 412 Latin America in Crisis (3)

An interpretative review of the recent history of selected Latin American countries, including Cuba, Brazil, Argentina, Chile, and Mexico.

HIST 435 Twentieth Century Revolutions (3)

A study and comparison of the causes and results of major revolutions in the twentieth century including the Mexican, Russian, Chinese, and Cuban revolutions.

HIST 436 Nazi Germany (3)

Seminar for reading and research about and discussion of the rise and fall of Hitler's Third Reich.

HIST 439 Studies In World History (3) (title may vary)

Reading, research and discussion devoted to selected topics in world history.

***HIST 441 Early American History (3)†**

Founding and development of the North American colonies through Independence and the administration of John Adams.

***HIST 442 The Nationalizing of American Life 1775-1828 (3)**

An analysis of the events and policies which secured the life of the New Nation.

***HIST 443 The Age of Jackson 1828-1860 (3)**

An analysis of the political, social, economic, and intellectual developments of the Jacksonian era and their impact on American life.

***HIST 447 Twentieth Century America to 1941 (3)†**

Political, economic and social domestic affairs contributing to the twentieth century development of industrial, urban America through the New Deal.

***HIST 448 Twentieth Century America Since 1941 (3)†**

Political, economic, and social affairs contributing to the twentieth century development of industrial, urban America since World War II.

***HIST 451 History of American Thought I (3)†**

English antecedents, Puritan theology, the Enlightenment, transcendentalism, and ante bellum thought.

***HIST 452 History of American Thought II (3)†**

Naturalism and social Darwinism, pragmatism and experimentalism, and other aspects of 20th-century thought.

***HIST 453 The Old West (3)[†]**

Social, economic, and political development of the early American frontiers as they developed to the Mississippi River.

***HIST 454 Civil War and Reconstruction (3)**

Causes of conflict, the course of war, and the consequences for both North and South in the United States.

***HIST 455 The American South (3)[†]**

Social, economic, political, and intellectual trends in the historic and modern South.

***HIST 456 Trans-Mississippi West (3)[†]**

Social, economic, and political development during the nineteenth and twentieth centuries.

***HIST 458 National Leadership in The Dilemma of Democracy (3)**

Readings, discussions, and research on the nature of leadership and its ramifications for American life.

***HIST 461 American Foreign Relations to 1920 (3)[†]**

Foreign policy and relations involved in the development of America from the Revolution through World War I.

***HIST 462 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 468 Business In Modern America (3)[†]**

Modern practice and theory; the role of entrepreneur and government regulation since the Civil War.

***HIST 473 Urban America (3)[†]**

The processes of urbanization in the United States from its origins to the present.

HIST 474 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 475 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.

***HIST 476 Women In Modern America (3)[†]**

Changing nature of the role of women in America from the late nineteenth century to the present.

***HIST 479 Studies In American History (3)[†]**

Reading, research and discussion devoted to selected topics in history.

[†]These courses meet the State of Texas requirements for History.

Humanities

Administered by the Division of Humanities and Fine Arts.

The Bachelor of Arts degree program in Humanities is multidisciplinary and is designed for students who desire a liberal education but do not wish to specialize. The program focuses primarily on humanistic studies as they have been traditionally conceived.

The humanities concentration is considered a wise choice for a student who is non-vocationally oriented or who is planning postgraduate study in law, theology, the liberal arts, and certain other fields.

A degree in humanities requires 120 semester credits, including 54 credits in two to four of the following fields: art, foreign language, history, English (sophomore level and above), philosophy and theatre.

At least two-thirds of courses in the humanities concentration must be taken at the upper level. The specific program must be devised by the student in consultation with the advisor to meet the broad requirements outlined above. It should, in addition, demonstrate intellectual coherence and reflect the student's thoughtful consideration of his or her educational background and professional and intellectual goals.

No minor is required in the humanities concentration.

Bachelor of Arts

Kinesiology

Bachelor of Arts

Administered by the Division of Behavioral Science. Please see that section of the catalog for general degree requirements.

Kinesiology is the study of human movement. The discipline of kinesiology incorporates numerous subdisciplines which assist in developing our understanding of human movement at work and at play. These subdisciplines include exercise physiology, anatomical and mechanical analysis of movement, sport and exercise psychology, sociology of sport, motor control, motor learning, and motor development. Students majoring in Kinesiology have an opportunity to study human movement from all of these perspectives and thereby develop an understanding of how human movement affects and is affected by variables related to each subdiscipline.

Kinesiology is not a profession, but a body of knowledge applicable to many professions ranging from teaching to therapy. A major in Kinesiology is appropriate for students interested in elementary and/or secondary physical education and coaching, adult fitness and wellness, youth sports, physical therapy, sport psychology, athletic training, sports medicine, and graduate study in Kinesiology, medicine and allied health. Since coursework beyond the Bachelor of Science degree in Kinesiology is frequently required for each of these interest areas, students are advised to discuss with their advisors their professional aspirations early in their degree programs at The University of Texas of the Permian Basin.

Regardless of students' reasons for pursuing an undergraduate degree in Kinesiology, they are required to take a series of major core courses. In addition, all students are expected to demonstrate competence in a number of forms of movement (sport, dance, etc.). Interest in a particular subdiscipline or profession is reflected in the specialization area courses that students take. These specialization areas include (1) Pre-Professional Physical Education, (2) Fitness for Health 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.

A Bachelor of Science degree with a major in Kinesiology requires a minimum of 120 semester credits. The major requires a minimum of 36 semester credit hours of academic coursework, at least 18 of which must be at the upper level. Students must additionally demonstrate competence in at least 15 forms of movement. The maximum number of credits in the major counting toward the 120 semester credits needed to graduate is 50. A minor consisting of 18 semester credits, of which 12 must be upper level, is required. The choice of a minor should be made to complement the student's interests and professional goals.

In addition to the specified University General Education Requirements, students majoring in Kinesiology must take biology (at least 4 credit hours) and human anatomy and physiology (at least 8 credit hours). These courses are prerequisites for several Kinesiology courses.

Kinesiology majors must complete course requirements for one of three specialization

Kinesiology

areas: (1) pre-professional physical education, (2) fitness for health, or (3) sport and exercise studies. The choice of specialization area is an important one. It should be strongly influenced by your career goals. Be sure to discuss each area with your academic advisor prior to completing a degree plan. Students are urged to consult with their faculty advisors for specific degree planning early in their academic careers and as needed throughout their tenure at The University of Texas of the Permian Basin.

A brief description of each specialization area and the required courses follows:

I. Pre-Professional Physical Education: Students wishing to teach physical education and/or coach sports are required to complete the following courses. Completion of these courses, along with the appropriate education courses, will qualify the student to take either the Texas Education Agency's all-level or secondary ExCET examination in physical education.

- KINE 109 Forms of Movement Courses (15 activities)
- KINE 310 Motor Development
- KINE 330 Physical Activity for Handicapping Conditions
- KINE 340 Analysis of Human Movement
- KINE 350 Exercise Physiology
- KINE 400 Measurement of Performance in Sport and Exercise Sciences
- KINE 410 Sports Skill Analysis
- KINE 430 Motor Learning and Control
- KINE 440 Sociology of Sport
- *KINE 491 Independent Study in Kinesiology
- *KINE 492 Practicum in Kinesiology
- KINE 101 or KINE 351 Concepts in Health and Fitness or Exercise Physiology Lab
- KINE 201 or KINE 370 First Aid or Athletic Training
- KINE 420 or KINE 450 Psychology of Sport or Psychology of Exercise

* If student teaching has been successfully completed, these two courses may be waived by the major faculty advisor. Students must, however, take one additional three credit elective in the discipline of Kinesiology in order to satisfy the 36 credit hour major requirement.

II. Fitness for Health: 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 the Fitness for Health specialization.

- KINE 109 Forms of Movement Courses (15 activities)
- KINE 201 First Aid
- KINE 310 Motor Development
- KINE 340 Analysis of Human Movement
- KINE 350 Physiology of Exercise
- KINE 351 Exercise Physiology Lab
- KINE 370 Athletic Training

Kinesiology

KINE 400 Measurement of Performance in Sport and Exercise Sciences
KINE 440 Sociology of Sport
KINE 450 Psychology of Exercise
KINE 460 Exercise for Special Populations
KINE 462 Cardiorespiratory Physiology
KINE 470 Administration of Health and Fitness Programs
KINE 492 Practicum in Kinesiology

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. Nine 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 109 Forms of Movement Courses (15 activities)
KINE 340 Analysis of Human Movement
KINE 350 Physiology of Exercise
KINE 440 Sociology of Sport
KINE 491 Independent Study in Kinesiology
KINE 492 Practicum in Kinesiology
KINE 101 or KINE 351 Concepts in Health and Fitness or Exercise Physiology Lab
KINE 201 or KINE 370 First Aid or Athletic Training
KINE 310 or KINE 430 Motor Development or Motor Learning and Control
KINE 420 or KINE 450 Psychology of Sport or Psychology of Exercise
ELECTIVES (nine credit hours)

Students declaring secondary physical education as a second teaching field are required to demonstrate competence in 15 forms of movement (as required of a major) and complete the following 24 credit hours of course work: KINE 101, KINE 310, KINE 330, KINE 340, KINE 350, KINE 370, KINE 400, and KINE 430. Students declaring all-level physical education as a teaching field are required to meet all of the requirements of a Kinesiology major with a specialization in pre-professional physical education.

Demonstrated competence in 15 forms of movement is required of all Kinesiology majors as well as students seeking teacher certification in secondary physical education. Credits earned in meeting this requirement do not count toward the 36 hours required for a degree in Kinesiology.

However, they may count toward the 120 hours required for graduation. The forms of movement requirement may be fulfilled in a number of ways. Options include taking Forms of Movement courses (KINE 109), Lifetime Sports courses (KINE 159),

Kinesiology

participation in intercollegiate or professional athletics, and possession of a current official's rating. In order to assure that students are competent in a wide variety of activities, it is required that five of the activities be team sports, five be individual/dual sports, one an aquatic activity, and one a dance activity. In addition, all students must complete KINE 109: Educational Games, Dance, Gymnastics/Innovative Activities. 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.

KINE 101 Concepts in Health and Fitness (3)

Offers an introduction to the basics of personal health, fitness, and major contemporary health issues.

KINE 109 Forms of Movement (1/2 - 1)

The development of performance and knowledge competencies in selected combinations of sports, dance, aquatics, and other forms of movement as set forth in Forms of Movement Handbook (see Forms of Movement Coordinator).

KINE 159 Lifetime Sports (1)

Opportunity to obtain skill and knowledge of a lifetime sport. Sections include bowling, golf, tennis, swimming, racquetball, and others.

KINE 201 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.

KINE 310 Motor Development (3)

An examination of the factors affecting physical growth, those influencing the acquisition of fundamental motor skills, and the effects of aging upon physical performance.

KINE 330 Physical Activity for Handicapping Conditions (3)

Introduction to various handicapping conditions with particular emphasis on their impact upon an individual's ability to perform sports and other physical activities. The nature of appropriate physical activity programs for handicapped individuals is explored.

KINE 340 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: LFSC 350 and 351 (4 credits) or equivalent.

Course Listing

Kinesiology

KINE 350 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. Prerequisite: LFSC 352 and 353 (4 credits) or equivalent.

KINE 351 Exercise Physiology Lab (3)

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 350 Physiology of Exercise. Laboratory equipment is used to collect data and analyze results. Prerequisite: Concurrent enrollment in KINE 350 or completion of 3 semester credit hours of undergraduate exercise physiology.

KINE 360 Coaching in Sports (3)

Coaching profession as a multidimensional role in education. Interpersonal relationships, societal implications, philosophy, coaching strategies, principles of training, organization, administration, etc.

KINE 370 Athletic Training (3)

Prevention and treatment of athletic injuries, including recognition, techniques of taping, therapeutic modalities, rehabilitation of injuries and athletic training room management. Prerequisite: LFSC 350 and 351 (4 credits) or equivalent.

KINE 400 Measurement of Performance in Sport and Exercise Sciences (3)

A comprehensive overview of the statistical techniques, computer applications, and evaluation procedures utilized by kinesiology professions in applied and research settings. Prerequisite: must have fulfilled general education mathematics requirement.

KINE 410 Sports Skill Analysis (3)

Students will apply the anatomical and mechanical principles of human movement in the assessment of sports skills. Prerequisite: KINE 340 or permission of instructor.

KINE 420 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.

KINE 430 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.

KINE 440 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.

Kinesiology

KINE 450 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.

KINE 460 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.

KINE 462 Cardiorespiratory Physiology (3)

Addresses the physiology of graded exercise testing, interpretation of basic electrocardiograms, and prescription of exercise for healthy and diseased populations.

KINE 470 Administration of Health and Fitness Programs (3)

The design, implementation, management, and evaluation of health and fitness programs in corporate, commercial, educational, and hospital settings. Concepts related to legal and ethical issues in program management will be included.

KINE 491 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.

KINE 492 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 faculty of the Department of Kinesiology in a brief oral presentation and in the form of a journal-ready manuscript.

Land Management

Bachelor of Business Administration

Administered by the Division of Business Administration. Please refer to that section for general degree requirements.

The key to the past, present and future of economic development in the Permian Basin, the United States and, indeed, much of the world is land/resource information. Land managers are those specialists who assemble land information which includes land ownership, taxation, assessment, presence of minerals, soil types, rights-of-way, spatial relationships and economic potential. Land managers gather, organize and apply the knowledge generated by planners, explorers, legislators, engineers, insurers, appraisers, lenders, builders and surveyors to effect transactions between buyers and sellers of land that result in the creation of resources.

Successful transactions dealing with land may employ a range of information to include physics, chemistry or geology of an oil field and such labor intensive activities as searching land titles and assessment data. The background of information applied by land managers may include geodetic and earth-resource satellites, aerial photogrammetry and computers to city, county, state and national land and resource records.

In brief, land management, especially throughout the Permian Basin, makes up a significant part of an economy based on mineral exploration, production and right-of-way. Land management requires skills and technical knowledge in the areas of land acquisition encompassing minerals, royalties, rentals, titles, tax and record maintenance. Individuals who have made land management their career have acquired their expertise through experience, apprenticeship programs or formal education. Most agree that the ideal preparation is a mix of practical experience built upon a formal university program.

With this career goal in mind, the Division of Business Administration offers a Bachelor of Business Administration in Land Management. Although emphasis in the program at UT Permian Basin might be placed on petroleum exploration and acquisitions, the concepts, techniques and skills have carry-over applications for other mineral development activities and areas. Importantly, the breadth of knowledge and techniques useful to land managers when combined with a need to meet the requirements for a BBA degree make the program highly structured and leave little room for electives. At UT Permian Basin, the program requires 125 semester credit hours.

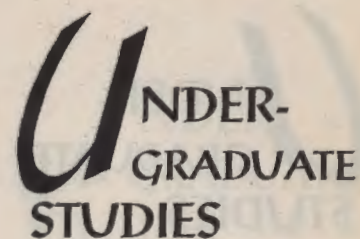
Sample Degree Plan

Sample Degree Plan Land Management 125 hours

Freshman Year

<u>First Semester</u>		<u>Second Semester</u>	
ENG 101	3	ENG 102	3
HIST 101	3	HIST 102	3
MATH 181	3	MATH 182	3
GEOL 101	5	GEOL 102	5
SPCH 101	3	Visual/Performing Arts	3
	17		17

Land Management



Sophomore Year

<u>First Semester</u>		<u>Second Semester</u>	
Literature	3	Sociology/Psychology	3
PLSC 201	3	PLSC 202	3
ACCT 231	3	ACCT 232	3
ECON 201	3	ECON 202	3
CPSC 101	3	BLAW 320	3
	<u>15</u>		<u>15</u>

Junior Year

<u>First Semester</u>		<u>Second Semester</u>	
MNGT 310	3	MNGT 311	3
MRKT 300	3	FIN 320	3
BLAW 321	3	DSCI 302	3
DSCI 301 ¹	3	MRKT 407	3
GEOL 315	6	MNGT 340 ²	3
	<u>18</u>		<u>15</u>

Senior Year

<u>First Semester</u>		<u>Second Semester</u>	
FIN 345	3	GEOL 308	4
ECON 411	3	ENGR 424	3
ACCT 333	3	MNGT 475	3
ECON 415	3	BLAW 322	3
	<u>12</u>	MNGT Seminar	3
			<u>16</u>

¹DSCI 302 must be completed by the end of the first semester of the junior year.

²MNGT 340 must be completed by the end of the second semester of the junior year.

Bachelor of Science

Administered by the Division of Natural Science. Please refer to that section for general degree requirements.

Courses in life science apply to the Bachelor of Science degree with a major in Life Science, to a minor in Life Science, and to the first or second teaching fields in education. Degree programs in life science provide preparation for careers in elementary, secondary and college teaching; research in basic and applied biological sciences; medicine; veterinary medicine; dentistry; physical therapy; medical technology and other health fields. Life science is a good supporting field for majors in Chemistry, Geology, Psychology and Kinesiology. The introductory sequence, General Biology (LFSC 110-111 and 120-121), is recommended for all life science degree plans and is appropriate for meeting the university general education requirements for two science courses with laboratory (8 hours).

In addition to the university general education degree requirements, a major in Life Science requires completion of certain courses set forth by the Division of Natural Sciences. Refer to "Bachelor's Degree Programs: Divisional Requirements - Natural Sciences" and to "Undergraduate Studies - Degree Requirements" in this catalog.

Pre-Professional Studies

The life science program features three basic degree plans: Plan A, Plan B and General Studies. Students planning a major in Life Science should consult with their faculty advisor to finalize a degree plan no later than the first semester of enrollment.

Plan A is for students planning to enter graduate school or professional school, including medicine, dentistry, veterinary medicine, medical technology and other health professions. This preprofessional degree plan includes a minimum of 36 semester credits in the major with at least 28 credits of upper level courses, including LFSC 300-301 or 324-325, 310-311 or 356-357, 420-421, 422, and 452-453. Other supporting requirements include CHEM 131-133, 132-134; 311-313, 312-314; MATH 152 and 251; PHYS 221 and 222.

Plan B is for students planning a career in secondary or elementary teaching. A first or second teaching field in life science with secondary certification requires at least 24 semester credits in life science. If life science is elected as the first teaching field in secondary education or as the major field in elementary education, at least 16 hours must be upper level; if elected as a second field in secondary education, 12 hours must be upper level. At least one course should be selected from each of the following fields: micro/cell biology: LFSC 300-301 or 324-325; morphology/physiology: LFSC 310-311, 330-331, 350-351 or 352-353; genetics: LFSC 343 or 440-441; evolution: LFSC 442; and behavior/ecology: LFSC 454-455, 472-473 or 475. Required supporting courses include CHEM 131-133, 132-134; 311-313; MATH 152 and 251. For elementary certification, LFSC 303 should be substituted for the micro/cell biology (LFSC 300-301 or 324-325), MATH 101 and 102 may be substituted for MATH 152 and 251, and organic chemistry (CHEM 311-313) is not required.

Life Science

Students not in either plan A or B may opt to complete a more flexible degree plan in General Studies. This must include 36 hours in the major with a minimum of 24 upper-level credits. Two semesters of mathematics (MATH 152 and 251) and two years of chemistry (CHEM 131-133, 132-134; 311-313, 312-314) are required.

A minor in Life Science consists of a minimum of 18 semester credit hours of which 12 must be upper level. It should include general biology (LFSC 110-111; 120-121), a course in organisms (LFSC 300-301, 310-311, 330-331, 350-351 or 356-357), a course in genetics (LFSC 343 or 440-441), and a course in evolution/ecology (LFSC 304, 442 or 472-473).

In order to complete required competencies and prerequisites at the lower level, students planning a major in Life Science should complete the following courses or their equivalents prior to their Junlor year of study at UT Permian Basin.

LOWER LEVEL COURSES semester hours	Plan A	Plan B (secondary)	Plan B (elementary)
General Biology I & II: LFSC 110-111, 120-121	8	8	8
Inorganic Chemistry I & II: CHEM 131-133, 132-134	8	8	8
Calculus I & II: MATH 152, 251	8	8	8*
Physics I & II: PHYS 221, 222	8		
U.S. History: HIST 101, 102	6	6	6
English Composition: ENG 101, 102	6	6	6
Amer. & State Gov.: PLSC 201, 202	6	6	6
Literature: ENG 201 or 202	3	3	3
Social Science: Any one course	3		
Speech: SPCH 101	3	3	3
Programming lang.: CPSC 110 or 121	3	3	3

To complete requirements for a bachelor's degree, the following courses must be completed at the **UPPER LEVEL**:

Organic Chemistry I: CHEM 311-313	5	5	
Organic Chemistry II: CHEM 312-314	5		
LFSC courses:	28	16	13
Health: LFSC 303			3
Literature: 300 level survey course	3	3	3
Fine Arts: ART 370	3	3	3
Elementary certification courses:			33
Secondary certification courses:		24	
Environmental Science: NTSC 401	3	3	3

General Studies

Minor

Life Science

History & Philosophy of Science:

NTSC 411 or 412	3	3	3
Minor or 2nd teaching field **	12-18	12-24	12-18
Total hours toward degree	124-130	120-132	124-130

* may substitute MATH 101 and 102

**hours vary according to applicable courses completed at lower level.

Students transferring credits to UT Permian Basin in clinical courses such as nursing, medical technology and other allied health areas should consult with the Chair of Life Science to determine the number of incoming credits that may apply toward a degree. The life science faculty will help students design programs of study to satisfy specific career objectives. A minimum of 120 hours, 54 of which must be upper level, are required for the Bachelor's degree.

All courses in life science above the 100-level require one year of basic college biology with laboratory (LFSC 110-111 and 120-121), and one year of inorganic chemistry (CHEM 131, 133, 132-134), except as otherwise noted under the course descriptions.

Course Listing

LFSC 110 General Biology I (3)[†] (BIOL 1306) **FA**

Overview of the biological sciences, with emphasis on the structure, function and physiology of the cell; genetics and bioenergetics. Corequisite: LFSC 111.

LFSC 111 General Biology I Laboratory (1)[†] (BIOL 1106) **FA**

Laboratory methods in the biological sciences, directed toward the structure and function of the cell. Corequisite: LFSC 110.

LFSC 120 General Biology II (3)[†] (BIOL 1307) **SP**

Overview of the biological sciences, with emphasis on the biology of organisms, their evolution and the environment. Prerequisite: LFSC 110, 111. Corequisite: LFSC 121.

LFSC 121 General Biology II Laboratory (1)[†] (BIOL 1107) **SP**

Laboratory methods for study of the structure, function and the environment of organisms. Corequisite: LFSC 120.

LFSC 300 Microbiology (3) **SP**

Growth, morphology, metabolism and ecology of microorganisms.

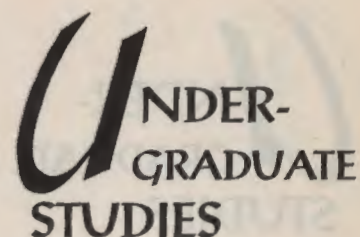
LFSC 301 Microbiology Laboratory (1) **SP**

Techniques for study of microorganisms. Corequisite: LFSC 300.

LFSC 303 Contemporary Human Health (3)

Biological basis of major health problems related to nutrition, exercise and environment. No prerequisite.

Life Science



LFSC 304 Environmental Science (3)

Man's impact on the physical and biotic structures of the environment. No prerequisite.

LFSC 310 Invertebrate Zoology (3)

FA

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

LFSC 311 Invertebrate Zoology Laboratory (1)

FA

Laboratory studies of the morphology and physiology of representative invertebrates. Corequisite: LFSC 310.

LFSC 324 Cell Biology (3)

SP

Structure and function of prokaryote and eukaryote cells. Topics include cell anatomy, physiology, energetics and transport.

LFSC 325 Cell Biology Laboratory (1)

SP

Laboratory investigation of cellular structure and function. Corequisite: LFSC 324.

LFSC 330 Botany (2)

SP

Structure, development, taxonomy and physiology of the major plant groups. Prerequisite: one course of lower-division biology. Corequisite: LFSC 331.

LFSC 331 Botany Laboratory (2)

SP

Morphology and taxonomy of the major plant groups. Corequisite: LFSC 330.

LFSC 343 Human Genetics (3)

FA

Mechanisms of inheritance of human traits. Not for preprofessional Life Science majors (Plan A).

LFSC 350 Human Anatomy (3)

FA

The development, structure and function of major human anatomical systems. Intended primarily for kinesiology majors and teacher certification. (Plan B). Prerequisite: four credits of lower division biology.

LFSC 351 Human Anatomy Laboratory (1)

FA

Anatomy of tissues and organ systems of the human and cat. Corequisite: LFSC 350.

LFSC 352 Human Physiology (3)

SP

The physiology of human cells, tissues, and systems. Primarily for kinesiology majors and teacher certification (Plan B). Prerequisites: four credits of lower division biology; eight credits of chemistry is recommended.

LFSC 353 Human Physiology Laboratory (1)

SP

Physiological studies-illustrating properties and functions of human cells, tissues, and systems. Corequisite: LFSC 352.

LFSC 398 Seminar (1)

Interaction and small group discussions of varied topics in biology.

Management

Bachelor of Business Administration

Administered by the Division of Business Administration. Please refer to that section for general degree requirements.

The chief goal of the Management program is to give students an understanding of the nature and capabilities of human and physical resources. An appreciation of management principles and practices is essential for students who intend to enter careers as administrators, executives, production managers, management consultants or entrepreneurs. This degree requires 122 semester credit hours.

Students pursuing a Bachelor of Business Administration in Management receive a broadly based general business education before specializing in an area of professional concentration. Broad preparation assists graduates in preparing to meet the diverse challenges of personal as well as professional life.

Lower level requirements have been outlined in the introductory section to the Division of Business Administration. The degree requires 18 hours of upper level major courses.

Sample Degree Plan

Sample Degree Plan Management 122 hours

Freshman Year

<u>First Semester</u>		<u>Second Semester</u>	
ENG 101	3	ENG 102	3
HIST 101	3	HIST 102	3
MATH 181	3	MATH 182	3
Science	4	Science	4
SPCH 101	<u>3</u>	Visual/Performing Arts	<u>3</u>
	16		16

Sophomore Year

<u>First Semester</u>		<u>Second Semester</u>	
Literature	3	SOC 101	3
PLSC 201	3	PSYC 101	3
ACCT 231	3	PLSC 202	3
ECON 201	3	ACCT 232	3
CPSC 101	<u>3</u>	ECON 202	<u>3</u>
	15		15

Junior Year

<u>First Semester</u>		<u>Second Semester</u>	
DSCI 301 ¹	3	ACCT 333	3
MNGT 310	3	FIN 320	3
MNGT 311	3	DSCI 302	3
MRKT 300	3	MNGT 312	3
BLAW 320	<u>3</u>	MNGT 340 ²	<u>3</u>
	15		15

Management

Senior Year

First Semester		Second Semester	
MNGT 315	3	MNGT 475	3
MNGT 320/322	3	MNGT Elective	3
MNGT Elective	3	MNGT Elective	3
ECON 3xx/4xx	3	Business Elective	3
Free Elective	<u>3</u>	Free Elective	<u>3</u>
	15		15

¹DSCI 301 must be completed by the end of the first semester of the junior year.

²MNGT 340 must be completed by the end of the second semester of the junior year.

MNGT 175 Introduction to Business (3)

A survey of the major areas of business with an emphasis on the various professional competencies necessary for successful management of simple and complex organizations.

MNGT 310 Management Concepts and Organizational Theory (3)

Fundamental concepts of management including principles of administration, modern organization theory, goal-setting, leadership and decision-making.

MNGT 311 Business Communications (3)

Communication workshop designed to improve the student's ability to communicate. Emphasis on writing memos, letters, reports and resumes with force, clarity and conciseness. Effective public speaking stressed.

MNGT 312 Personnel Functions (3)

Principles and practice in personnel relations including topics such as recruiting, training, wage and salary administration, and manpower planning. Prerequisite: MNGT 310.

MNGT 315 Social and Ethical Issues in Business (3)

Explores the role of business in contemporary society with respect to economic, social, political and technological problems. Case evaluation and discussion designed to develop policies for socially responsible management. Prerequisite: MNGT 310.

MNGT 320 Industrial Relations and Collective Bargaining (3)

Interpretations of collective bargaining agreements, their negotiation and administration, and methods for settling disputes. Prerequisite: MNGT 310.

MNGT 322 Labor-Management Relations (3)

Current employment relationships. Compares union-management objectives, functions and structures. Labor history, collective bargaining, industrial conflict and wage problems. Prerequisite: MNGT 310.

Course Listing

Management

MNGT 324 Labor Legislation (3)

Legislation in labor and manpower management. Topics from Taft-Hartley Act, anti-injunction statutes, fair employment practices and government contract law. Prerequisite: MNGT 310 and MNGT 320 or 322..

MNGT 340 Introduction to Management Science (3)

Mathematical models in manufacturing management. Linear models, financial decision models, production-planning models, inventory control, and production smoothing. Prerequisite: DSCI 301.

MNGT 361 Introduction to Research (3)

Multidisciplinary introduction to research process. Both library and field research. Emphasis on data gathering, data analysis and interpreting research conclusions. Prerequisite: basic course in student's area of specialization and DSCI 301 or equivalent.

MNGT 370 Public Policies Toward Business (3)

The effects of government action on business decision-making and private enterprise. Anti-trust legislation, the impact on business of the regulatory agencies and public enterprise. Prerequisite: MNGT 310.

MNGT 457 Association Management (3)

Associations in societal and community development emphasizing management planning, directing and managing volunteer labor found in associations and related activities. Prerequisites: MNGT 310, MRKT 300.

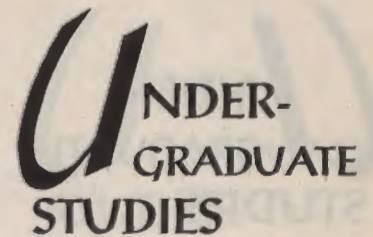
MNGT 460 Problems In Small-Business Management (3)

Fundamental concepts, theories and practices of small-business management. Supervised projects with local firms are conducted. Prerequisites: MNGT 310, FIN 320 and permission of instructor.

MNGT 475 Management Strategy/Policy (3)

Strategy/policy development and implementation in organizations. Integrates and applies knowledge gained from multiple disciplines. Case evaluation and discussion are stressed. Prerequisite: completion of at least 42 upper level hours of business courses including all other business core courses.

Marketing



Administered by the Division of Business Administration. Please refer to that section for general degree requirements.

The Bachelor of Business Administration in Marketing is designed to provide a fundamental knowledge of the nature, structure, institutions and functions of marketing including physical distribution. The program is intended to prepare students for entry into marketing management careers in either profit or nonprofit organizations. The degree requires 21 hours of upper level major courses. The program requires a minimum of 122 semester hours and includes:

Freshman Year

First Semester

ENG 101	3
HIST 101	3
MATH 181	3
Science	4
SPCH 101	<u>3</u>
	16

Second Semester

ENG 102	3
HIST 102	3
MATH 182	3
Science	4
Visual/Performing Arts	<u>3</u>
	16

Sophomore Year

First Semester

Literature	3
PLSC 201	3
ACCT 231	3
ECON 201	3
CPSC 101	<u>3</u>
	15

Second Semester

SOC 101	3
PLSC 202	3
ACCT 232	3
ECON 202	3
PSYC 101	<u>3</u>
	15

Junior Year

First Semester

BLAW 320	3
DSCI 301 ¹	3
MNGT 310	3
MNGT 311	3
MRKT 300	<u>3</u>
	15

Second Semester

MRKT 312	3
MRKT Elective	3
ACCT 333	3
MNGT 340 ²	3
FIN 320	<u>3</u>
	15

Senior Year

First Semester

MRKT 414	3
MRKT 407/408	3
MRKT 315	3
DSCI 302	3
Free Elective	<u>3</u>
	15

Second Semester

MNGT 475	3
ECON 3xx/4xx	3
MRKT Elective	3
MRKT Elective	3
Free Elective	<u>3</u>
	15

Bachelor of Business Administration

Sample Degree Plan

Course Listing

¹DSCI 301 must be completed by the end of the first semester of the junior year.

²MNGT 340 must be completed by the end of the second semester of the junior year.

MRKT 300 Principles of Marketing (3)

Survey of marketing fundamentals with focus upon product, price, promotion and distribution within the context of business decision-making. Prerequisite: ECON 201 and ECON 202.

MRKT 312 Marketing Management (3)

Emphasis upon strategic furthering, and marketing strategy and tactics within the context of case studies of corporate successes and failures. Prerequisite: MRKT 300.

MRKT 315 Consumer Behavior (3)

Concepts of consumer behavior. Emphasis on psychological, sociological and economic variables and their effects on purchasing behavior. Prerequisite: MRKT 300.

MRKT 316 Marketing Channel Systems (3)

Appraisal and diagnosis, organization and planning, action, and control of commodity and product-service distribution systems, marketing analysis and demand stimulation. Prerequisite: MRKT 300.

MRKT 407 Sales Management (3)

Planning, organizing, directing and controlling the sales function as it relates to the marketing mix; also stress is placed upon professional selling techniques. Prerequisite: MRKT 300.

MRKT 408 Advertising Management (3)

Planning, organizing, directing and controlling the advertising function as it relates to the marketing mix. The elements of good advertising are also stressed. Prerequisite: MRKT 300.

MRKT 414 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 300 and DSCI 301.

MRKT 419 Industrial Marketing (3)

Structure of industrial manufacturing and service firms, their motives and purchasing behavior, and logistical analysis of industrial markets. Prerequisite: MRKT 300.

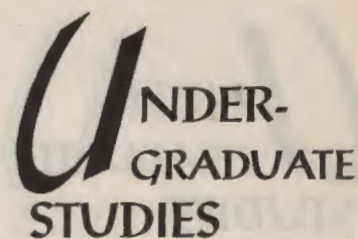
MRKT 420 International Marketing (3)

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 300.

MRKT 421 Oil and Gas Marketing (3)

Analysis of the physical and organizational structure of oil and gas distribution within both domestic and international channels with emphasis upon both independents and majors. Prerequisite: MRKT 300.

Mass Communications



Administered by the Division of Humanities and Fine Arts.

The Bachelor of Arts degree in Mass Communications is designed to prepare students for the wide range of career opportunities in mass communications, to provide basic understanding of concepts and principles common to all aspects of mass communications, and finally to provide specialized preparation in at least one field. This preparation is oriented primarily towards either electronic (radio/TV) or print journalism.

The BA degree program in Mass Communications offers the student an opportunity to prepare for careers in newspaper and magazine writing and editing; radio and television reporting; production and management; public relations; advertising and specialized communication professions.

A BA in Mass Communications requires 30 semester credit hours in the major field, 18 of which must be upper level, plus a minor in a supporting field of at least 18 credit hours (12 must be upper level). All students must take MCOM 303, Reporting and MCOM 392, Internship. Majors in Mass Communications are encouraged to minor in subject fields that will better qualify them to work in the Mass Communications industry. Minors in government, management, and history are among the more commonly chosen fields, while students planning to become specialized writers may choose to minor in technical or scientific fields. Students minoring in Mass Communication must take 18 semester credit hours, 12 of which must be upper level. Any 18 hours of Mass Communications will be acceptable.

Students wishing to prepare for teaching in the public schools should complete requirements described in the section under education and must take MCOM 429 and EDUC 441. Students desiring to prepare for careers in advertising should include a substantial amount of course work in business administration.

MCOM 101 Beginning Newspaper Production (7)

Beginning newspaper students will be introduced to the fundamentals of writing, editing, proofreading, design, layout and graphics.

MCOM 179 Newspaper Production (2)

For those freshmen and sophomores who work on the school newspaper, The Mesa Journal. Includes news writing, layout, headline writing and newspaper production. May be taken up to four (4) times.

MCOM 303 Reporting (3)

History of the press, libel, journalistic ethics, copy editing, writing news and feature stories. Required of all MCOM majors.

MCOM 307 Mass Communications Laboratory (1-3)

Print journalism laboratory includes experience in editing, reporting, photojournalism, writing headlines and making up pages.

Bachelor of Arts

**Journalism and
Radio/Television**

Course Listing

Mass Communications

MCOM 313 Advanced Reporting (3)

All phases of journalistic writing including governmental agencies, schools, court-houses, public affairs, sports, fine arts, interviews with prominent personalities and speeches.

MCOM 315 Public Affairs Reporting (3)

Writing news concerning agencies that deal with local, state and federal government.

MCOM 318 Editing and Makeup (3)

Copyreading and headline writing; principles of typography and makeup, with laboratory practice.

MCOM 326 Photography (3)

Shooting, processing and printing technically good photographs of interest and visual value suitable for publications.

MCOM 341 Radio/Television Announcing (3)

Writing, editing and announcing press association and local news copy for radio and television news broadcasts. Laboratory practice in preparing news programs.

MCOM 342 Radio/Television Production (3)

Radio and television programming patterns, regulations pertaining to broadcasting and broadcasters' responsibilities.

MCOM 344 Television Production II (3)

Planning, staging and presenting television programs.

MCOM 345 Television Direction (3)

Directing television programs.

MCOM 405 Magazine Article Writing (3)

Writing a magazine article and attempting to sell it to one of the available markets.

MCOM 410 Advanced Broadcasting Techniques (3)

Broadcast production including documentaries in sound and short broadcast reports. Taping, editing, mixing, writing broadcast scripts, special effects and interviewing.

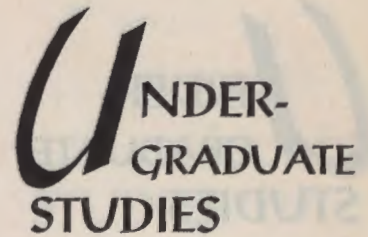
MCOM 412 Audio Interviewing (3)

Students will produce full documentary by researching, taping interviews, editing those tapes, dubbing music and sound, writing the script and producing the final product.

MCOM 415 Communication Law (3)

Legal aspects of rights and responsibilities of the press, radio and television including libel, privilege, copyright and access to information.

Mass Communications



MCOM 429 School Publications (3)

Preparing a school journalism sequence. Producing school newspapers and yearbooks.

MCOM 451 Advanced Photography II (3)

Advanced photographic techniques including visual communication with a still camera and two dimensional black and white space articulation. Prerequisite: MCOM 326 or equivalent.

MCOM 471 Mass Media and Society (3)

Principles of behavior modification applied to the media-radio, television, newspaper, magazines, books, etc.

Bachelor of Science

Administered by the Division of Natural Sciences. Please refer to that section for general degree requirements.

A Bachelor of Science degree with a major 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 152, 251, 252, Calculus and Analytic Geometry

MATH 301 Statistics or MATH 401 Probability and Statistics

MATH 310 Linear Algebra

MATH 315 Algebraic Structures

MATH 360 Intermediate Analysis

CPSC 110 FORTRAN or CPSC 121 Introduction to Computer Science (PASCAL)

The remaining four advanced courses required to complete the major are selected in consultation with the student's advisor. 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 and any students seeking certification as mathematics teachers are required to elect MATH 350, Topics in Geometry, leaving only three advanced mathematics electives. Those planning to teach in the elementary school should also take MATH 300, Foundational Mathematics. All certification students are strongly encouraged of elect MATH 425, Number Theory.

Mathematics majors at UT Permian Basin are required to complete a minor of at least 18 semester hours, 12 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 education objectives.

If mathematics is taken as a minor for another program, the recommended plan includes MATH 152, MATH 251, MATH 301, MATH 310, MATH 312 and MATH 315 or MATH 350. For those seeking certification with mathematics as a second teaching field the following courses are required:

Math 152, 251, 252 Calculus and Analytic Geometry I, II, and III

MATH 301 or MATH 401

MATH 310

MATH 315

MATH 350

Mathematics

Here is a **sample** degree program for a major in mathematics:

Freshman Year

<u>First Semester</u>		<u>Second Semester</u>	
MATH 152	4	MATH 251	4
ENG 101	3	ENG 102	3
LAB SCI	4	LAB SCI	4
HIST 101	<u>3</u>	HIST 102	<u>3</u>
	14		14

Sophomore Year

<u>First Semester</u>		<u>Second Semester</u>	
MATH 252	4	MATH 330	3
ENG 201	3	ENG 202	3
PLSC 201	3	PLSC 201	3
ART 370	3	CPSC 110	4
Minor	<u>3</u>	Minor	<u>3</u>
	16		16

Junior Year

<u>First Semester</u>		<u>Second Semester</u>	
MATH 310	3	MATH 315	3
MATH 301	3	MATH 350	3
PSYC 101	3	SPCH 101	3
Minor	3	Minor	3
Elective	<u>3</u>	Elective	<u>3</u>
	15		15

Senior Year

<u>First Semester</u>		<u>Second Semester</u>	
MATH 4xx	3	MATH 4xx	3
MATH 4xx	3	NTSC 411	3
NTSC 401	3	Minor	3
Minor	3	Elective	3
Elective	<u>3</u>	Elective	<u>3</u>
	15		15

Sample Degree Plan

Mathematics

Course Listing

Four of the following courses are typical entrance level mathematics courses for freshmen. MATH 101 and MATH 102 are designed for general education. (It is possible for a student to take MATH 102 before taking MATH 101. MATH 151 is the normal course to be taken for science and mathematics students unless they are qualified to start the calculus. MATH 181 starts the mathematics sequence addressing the needs of business and social science students.

MATH 099 Fundamentals of Mathematics (0) **FA, SP**

Intended to prepare students for entry into MATH 101, MATH 151 or MATH 181. This is a non credit course including introductory and intermediate algebra and geometry. Repeatable, but does not count towards a degree.

MATH 101 Contemporary Mathematics I (3)[†] (MATH 1332) **FA, SP**

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, satisfactory score on placement examination.

MATH 102 Contemporary Mathematics II (3)[†] (MATH 1333) **FA, SP**

Continuation of MATH 101. Models include application of game theory, classical and modern geometry. Brief introduction to computers and computation. Prerequisite: Two years of high school algebra, one year of high school geometry, satisfactory score on placement examination.

MATH 151 Precalculus (4)[†] (MATH 2412) **FA, SP**

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, satisfactory score on placement examination.

MATH 152 Calculus and Analytic Geometry I (4)[†] (MATH 2413) **FA, SP**

Differentiation of functions of one variable, introduction to integration. Prerequisite: MATH 151 or satisfactory score on placement examination.

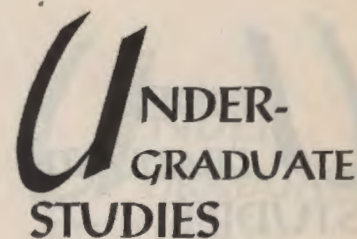
MATH 181 Applications of Discrete Mathematics (3)[†] (MATH 1324) **FA, SP**

Mathematics for modeling in the social and behavioral sciences. Topics include finite mathematics, sets, logic, matrix/vector manipulations. Prerequisite: Two years of high school algebra, one year of high school algebra, one year of high school geometry, satisfactory score on placement examination.

MATH 182 Applications of Continuous Mathematics (3)[†] (MATH 1325) **FA, SP**

Continuation of MATH 181. Differential and integral calculus of polynomials, logarithmic and exponential functions, elementary probability, with applications to the social and behavioral sciences. Prerequisite: MATH 181.

Mathematics



MATH 251 Calculus and Analytic Geometry II (4)[†] (MATH 2414) FA, SP
Continuation of MATH 152. Integration of transcendental functions, techniques of integration, sequences and series. Prerequisite: MATH 152.

MATH 252 Calculus and Analytic Geometry III (4)[†] (MATH 2415) FA, SP
Continuation of MATH 251. Vectors and multivariate calculus, transformations of coordinates. Green's and Stokes' Theorem. Prerequisite: MATH 251.

MATH 300 Foundational Mathematics (3) FA, SP
Basic set theory, axiomatic structure of the number system, foundations of arithmetic and informal geometry. Prerequisite: Completion of general education mathematics requirement.

MATH 301 Statistics (3)
Basic concepts and applications of probability, descriptive and inferential statistics, and linear regression. Computer laboratory assignments. Prerequisite: MATH 182 or MATH 251.

MATH 310 Linear Algebra (3) FA
Vectors, vector spaces, matrices; linear transformations, eigenvalues, eigenvectors, canonical forms and their applications. Prerequisite: MATH 251.

MATH 312 Discrete Mathematics I (3) FA
Elementary logic, sets (including mathematical induction), elementary probability, combinatorics, modular arithmetic and permutation groups. Prerequisite: MATH 151.

MATH 313 Discrete Mathematics II (3)
Continuation of MATH 312. Graph theory, Boolean algebra, and elements of automata theory. Prerequisite: MATH 312.

MATH 315 Algebraic Structures (3)
Sets, groups, rings and fields, with applications to the ring of integers and polynomial rings. Prerequisite: MATH 252 or permission of instructor.

MATH 330 Differential Equations (3)
Ordinary differential equations including power series, Laplace transform methods and systems of linear differential equations with applications. Prerequisite: MATH 252.

MATH 331 Applied Mathematics (4)
Ordinary and partial differential equations, including special functions, transform methods and Fourier series. Prerequisite: MATH 330.

MATH 350 Topics In Geometry (3) SP
Cross ratio, elementary transformations, Euclidean constructions, introduction to non-Euclidean geometry, and other topics in modern geometry. Prerequisite: MATH 252.

Mathematics

MATH 360 Intermediate Analysis (3)

FA

Limits, continuity, uniform continuity, derivatives, integrals and mean value theorems. Prerequisite: MATH 252.

MATH 400 History of Computation (3)

History of mathematics from prehistoric to the present with emphasis on techniques and devices for computation. Prerequisite: MATH 251.

MATH 401 Probability and Statistics (3)

Fundamentals of probability theory and properties of distribution functions encountered in modeling and hypotheses testing. Prerequisite: MATH 251 (MATH 252 strongly recommended).

MATH 410 Applications of Numerical Methods (4)

Introduction to mathematical modeling and the use of numerical methods for algebra, differentiation and integrals. Prerequisite: MATH 310 and CPSC 110.

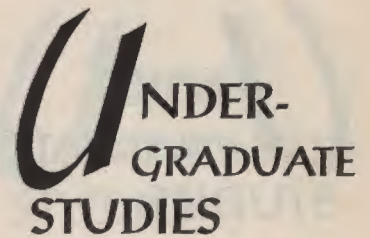
MATH 425 Number Theory (3)

Basic properties of integers, including primes, unique factorization, divisibility congruences, Euler's phi function, Diophantine equations and other selected topics.

MATH 476 Complex Variables (3)

Complex analysis including analytic functions, power series, residues and conformal mapping. Prerequisite: MATH 360.

Political Science



Administered by the Division of Behavioral Science. Please see that section for general degree requirements.

The Bachelor of Arts degree program in Political Science is oriented primarily toward the study of American government and politics, and secondarily toward comparative government with supporting study in international relations.

A wide variety of career opportunities are open to students majoring in political science, including the United States 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. The maximum number of credits in this major is 39.

In addition to lower division requirements of two courses in political science to meet graduation requirements, a major in Political Science **should** include at least one upper level course in comparative government, one in American government, and one in international relations.

Students seeking to satisfy the State of Texas statutory requirement in American government may take PLSC 201. The state requirement in Texas government may be met by taking either PLSC 202 or 412.

Students desiring to complete pre-law preparation and receive a bachelor's degree may do so through one of several options. The most common is the BA program in political science, however, degrees in several other fields also are appropriate. Those interested in entering law school after completion of the bachelor's degree should consult with the Division of Behavioral Science Office for referral to an appropriate advisor.

PLSC 201 U.S. National, State and Local Politics I (3)[†] (GOVT 2301)

An examination of the American political process at national, state and local levels. Satisfies state requirement in U.S. government.

PLSC 202 U.S. National, State and Local Politics II (3)[†] (GOVT 2302)

An examination of the American political process at the national, state and local levels. Satisfies state requirement in Texas government.

PLSC 315 The Legislative Process (3)

Analysis of the American Constitution in terms of the organization and procedure of American legislative bodies; analysis of public and private influences upon public policy formation.

PLSC 317 Local Government (3)

Cities, counties and special districts are examined in terms of organization, recruitment, services and fiscal problems, with special reference to Texas.

Bachelor of Arts

Pre-Law

Course Listing

Political Science

PLSC 321 Comparative Politics (3)

A comparative examination of the political systems of selected economically developed nations.

PLSC 323 The Political Heritage of Southeast Asia (3)

An examination of the historical development of political institutions, practices and attitudes in the nations of Southeast Asia. Attention will also be given to contemporary problems of economic and political development.

PLSC 325 Modern Russia (3)

An introduction to the political system of Russia from its origins to the present. Historical, social and cultural perspectives will also be presented.

PLSC 335 Civil Liberties (3)

Factors and forces that have shaped the scope of civil liberties in the United States. Course includes consideration of leading cases and their historical contexts.

PLSC 412 Politics in the American States (3)[†]

An examination of the states as subsystems of the political system of the United States. Topics include federalism socio-economic environments, state political cultures, pressure groups, state political parties and decision-making agencies.

PLSC 413 Political Behavior (3)

Contemporary theories of American political behavior. Topics include political socialization, public opinion, leadership recruitment and voting.

PLSC 423 Governments and Politics of Latin America (3)

Major institutions and political behaviors which have emerged in selected Latin American countries since Independence, particularly during the 20th century.

PLSC 425 Foreign Policy of the Soviet Union (3)

An examination of the foreign policy of the Soviet Union since the Revolution, with particular emphasis on contemporary problems.

PLSC 427 International Politics (3)

An examination of the major variables affecting the political interaction of national states. Various theories, approaches and modes of analysis will be considered.

PLSC 431 American Political Thought (3)

Major trends in American political thought, related to the socio-economic and political development of the nation.

PLSC 435 Constitutional Law (3)

An examination of trends in American constitutional development since 1789, utilizing leading decisions of the U. S. Supreme Court.

Political Science

PLSC 436 Government and Business (3)

An exploration of the relationship between government and business in American society. Course includes examination of the regulation and the promotion of business by government.

PLSC 443 American Foreign Policy (3)

Origin, conduct and application of American foreign policy in world affairs.

PLSC 447 Public Administration (3)

A survey of American public administration and the role of the bureaucracy in the formulation and implementation of public policy.

PLSC 451 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 454 The American Presidency (3)

An examination of the evolution of the modern presidency in the twentieth century and the duties, powers and problems of that institution today.

PLSC 459 Seminar In American Public Policy (3)

Examination of varying topics in public policy of contemporary interest and concern. May be repeated for credit when topics vary.

Bachelor of Arts

Administered by the Division of Behavioral Science. Please refer to that section for general degree requirements.

Psychology is the science of the behavior of living organisms, especially human beings. The study of psychology is an introduction to the empirical and scientific investigation of who and what we are, as well as an introduction to many of the investigators and thinkers who have developed systems of thought about behavior.

Psychology is an extremely broad discipline, and therefore provides students the opportunity to prepare for a wide variety of careers or graduate school. For example, the major in Psychology is recommended for students interested in obtaining a liberal arts education and a broadened understanding of psychological functioning as it applies to the study of the behavior of the simplest organisms to the behavior of humans and groups of humans in complicated situations. The major in Psychology is also recommended 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 handi-capped.

Many students who complete the psychology major 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 UT Permian Basin Chapter of the National Honor Society in Psychology. Membership information is available from the faculty advisors.

Psychology is an appropriate minor for students majoring in many other areas as it readily complements many fields of study. A minimum of 18 credit hours is required for the minor. Students choose these courses themselves in consultation with their major advisor. A minimum of 12 credit hours must be upper level courses.

Students working on second teaching fields for secondary education certification must take Introductory Statistics (PSYC 301) and Research Methodology (PSYC 304).

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 in psychology is 47. Required courses include Introductory Psychology (PSYC 101), Introductory Statistics (PSYC 301), and Independent Research in Psychology (PSYC 493). In addition each student majoring in psychology is required to take at least one course in five of the six following pairs:

1. PSYC 303, Principles of Learning, and/or
PSYC 404, Physiological Psychology

Psychology

2. PSYC 311, Social Psychology, and/or
PSYC 322, Theories of Personality
3. PSYC 321, Abnormal Psychology, and/or
PSYC 451, Tests and Measurements
4. PSYC 341, Child Psychology, and/or
PSYC 342, Adolescent Psychology
5. PSYC 402, History and Systems of Psychology, and/or
PSYC 471, Motivation
6. PSYC 411, Cognitive Psychology, and/or
PSYC 412, Sensation and Perception

Students must pay attention to prerequisites for enrollment in some courses. Degree plans for psychology majors should be made with a psychology advisor keeping in mind that Independent Research (PSYC 493) should be taken in the last semester of the senior year. Students majoring in psychology who plan to pursue advanced study in psychology are encouraged to select PSYC 303 and PSYC 404, PSYC 311, PSYC 321, PSYC 341, and PSYC 402 from the six pairs above, as well as to take Advanced Statistics (PSYC 401). Students should consult with their faculty advisor for specific planning of additional elective courses in psychology.

Sample Degree Plan-Psychology*

First Semester (Freshman)		Second Semester	
Core requirements	12-15	Core requirements	9-12
		PSYC 101	3
Third Semester (Sophomore)		Fourth Semester	
Core requirements	9-12	Core requirements	9-12
Course in minor	3	Course in minor	3
PSYC 201	3	PSYC 301	3
Fifth Semester (Junior)		Sixth Semester	
PSYC 304	4	PSYC 404 or 303	3-4
PSYC 341 or 342	3	PSYC 311 or 322	3
Course in minor	3	Elective in PSYC	3
General electives	3-6	Course in minor	3
		General elective	3
Seventh Semester (Senior)		Eighth Semester	
PSYC 321 or 451	3	PSYC 493	3
PSYC 411 or 412	3	PSYC 402 or 471	3
Elective in PSYC	3	Elective in PSYC	3
Course in minor	3	Course in minor	3
General elective	3	General elective	3

Sample Degree Plan

* Degree plans vary depending upon a student's goals and preparation prior to enrolling at UT Permian Basin. Students should consult with their faculty advisors for specific degree planning.

Course Listing

PSYC 101 Introduction to Psychology (3)[†]

Foundation for the understanding of basic psychology principles affecting human behavior (A prerequisite to all other courses in psychology).

PSYC 201 Behavioral Medicine (3)

Examination of the role of behavioral science knowledge and techniques in understanding, assessing, testing and preventing medical-psychological problems. Prerequisite: PSYC 101.

PSYC 301 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.

PSYC 303 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 101.

PSYC 304 Research Methodology (4)

Introduction to the planning and execution of psychological research. Prerequisites: PSYC 101, 301.

PSYC 311 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 101.

PSYC 321 Abnormal Psychology (3)

Variables involved in the development, maintenance and treatment of a variety of behavior disorders. Prerequisite: PSYC 101.

PSYC 322 Theories of Personality (3)

A survey of the theoretical views of Freud, Jung, Adler and various contemporary writers. Prerequisite: PSYC 101.

PSYC 341 Child Psychology (3)

Developmental aspects of physical, mental, social and emotional growth from birth to adolescence. Recommended: PSYC 101.

PSYC 342 Adolescent Psychology (3)

Developmental aspects of physical, social, emotional and cognitive growth. Emphasis is on the adjustment and behavior patterns of adolescents. Recommended: PSYC 101.

Psychology

PSYC 402 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 101.

PSYC 404 Physiological Psychology (3)

Neurophysiology and neuroanatomy. Variables that contribute to behavioral effects in the areas of sensation, perception, motivation and learning. Prerequisite: PSYC 101.

PSYC 405 Drugs and Behavior (3)

Pharmacologic basis of psychotropic drugs and their associated abuses. Theories of cause and treatment of abusers are reviewed. Prerequisite: PSYC 101.

PSYC 411 Cognitive Psychology (3)

Research and theories of language development and maintenance, including concept learning, problem solving, memory and attention. Prerequisite: PSYC 101.

PSYC 441 The Exceptional Child (3)

Theories and research in fields of biology and psychology concerning exceptional children, emphasizing mentally retarded, emotionally disturbed and mentally gifted. Same as EDUC 451.

PSYC 445 Language Development In Young Children (3)

Nature of language and the acquisition of language by the young child. Includes environmental influences and contingent effects on socialization, cognition and achievement. Same as EDUC 413.

PSYC 451 Tests and Measurement (3)

Major personality and intelligence tests, emphasis upon their construction, administration, scoring and interpretation. Prerequisites: PSYC 101,301.

PSYC 460 Applied Behavior Analysis/Classroom (3)

Principles of behavior modification and the application of these principles to the school and home. Same as EDUC 460.

PSYC 471 Motivation (3)

Theories and experimental research concerning drives, needs and preferences as proposed by scientists studying personality, learning and physiology. Prerequisite: PSYC 101.

PSYC 481 Psychology of Women (3)

Survey of critical issues in social relations, mental health, and legal matters involving women. Includes analysis of innate and environmental determinants of sex differences. Prerequisite: PSYC 101.

PSYC 493 Independent Research In Psychology (3)

Study of research under supervision of a member of the faculty. Students wishing to enroll should prepare a short plan for this coursework. Prerequisite: Senior standing and PSYC 304.

Sociology

Bachelor of Arts

Administered by the Division of Behavioral Science. Please refer to that section for general degree requirements.

Sociology is the study of human society. It emphasizes the diversity of cultures and societies and factors which influence social behavior within institutions, formal and informal organizations, and small social groups.

The sociology program at UT Permian Basin is committed to the personal, analytical and professional development of its students. At UT Permian Basin, practical applications of sociological knowledge are emphasized.

Sociology offers the following career fields: secondary social science teaching, voluntary organizations, private and government foundations, social research, and other related social service organizations.

Students will take course work in sociology or related courses in criminology. The sociology advisor will assist in developing a degree plan which best suits the needs of the individual student.

Requirements for a bachelor of arts degree are 36 semester credit hours. Five courses are specifically required for the major: (SOC 101, SOC 355, SOC 403, SOC 427, and SOC 499). The maximum number of credits in the major is 47. Credits beyond this maximum will not be counted toward the 120 minimum hours necessary to graduate.

Requirements for a minor in Sociology are 18 semester credit hours of which 12 credits must be junior or senior level courses.

All students must complete 15 semester credits of core courses, followed by 21 semester credits from a selected list of sociology, social work and sociology related criminology course work.

Course Listing

SOC 101 Introduction to Sociology (3)[†]

Students are introduced to the basic concepts and theories used to study the nature of social processes and the structure of society.

SOC 201 Social Problems (3)[†]

Students are introduced to the frameworks used to identify and develop policies for contemporary social problems and issues.

SOC 311 Human Behavior and the Social Environment (3)

How human behavior is shaped by internal, interpersonal, social and environmental contexts. Emphasis is on the effects of attitudes, communication, organizations, communities and cultural factors.

Sociology

SOC 340 Political Sociology (3)

Provide an introduction to political institutions. The course examines basic concepts, theories, and empirical studies to broaden knowledge of polity. Attention is given to developing an understanding of grass-roots political activism and how small groups can influence broader political change.

SOC 350 Social Deviance (3)

Study of societal definitions and reactions to deviant acts in relationship to ethnicity, social class and legal institutions. The student may enroll in this course for credit in criminology (crosslist with CRIM 350).

SOC 355 Computer Assisted Research (3)

Offers a hands-on and conceptual introduction to the basics of computer usage as a research tool. The course assumes no prior computer experience. Required for all sociology and criminology majors.

SOC 360 Applied Social Science (3)

Presents the application of social science in developing and assessing social policy. The course will help students understand what skills they can learn, in order to practically utilize sociology. It is also intended to introduce students to the variety of opportunities available to sociology graduates. The student may enroll in this course for credit in criminology (crosslist with CRIM 360).

SOC 365 Juvenile Delinquency and Justice (3)

A study of the juvenile justice system, theories of causation, the distribution and frequency of delinquency, correctional treatment, and prevention programs in modern society. The student may enroll in this course for credit in criminology (crosslist with CRIM 365).

SOC 370 Victimology (3)

Emphasizes the role of space and place in determining the time, location, and character of crimes. Attention is given to the interactions between victims and offenders, the criminal justice system, and other societal groups and institutions. The student may enroll in this course for credit in sociology (crosslist with CRIM 370).

SOC 390 Marriage and 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.

SOC 403 Social Research Methods (3)

The course provides a comprehensive overview of social science research methods, with emphasis given to the concepts used in the conduct of research, measurement strategies, and research designs. Required for all sociology and criminology majors. Prerequisite: at least 2 courses in sociology or criminology.

Sociology

SOC 404 Qualitative Methods (3)

Research projects will be designed that take into account natural social settings. Participant observation and other qualitative methods will be used to gather information and generate analysis of people in their natural settings. The student may enroll in this course for credit in criminology (crosslist with CRIM 404).

SOC 405 Social Psychology (3)

The study of individuals in their social context. This includes an examination of socialization, social influence on psychological phenomena, and the interactions between individuals and groups.

SOC 415 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. The student may enroll in this course for credit in criminology (crosslist with CRIM 415).

SOC 418 Social Demography (3)

An introduction to the basic components of population change and to historical and contemporary theories of demography. Current research issues affecting fertility, mortality, and migration will be examined. The student may enroll in this course for credit in criminology (crosslist with CRIM 418).

SOC 427 Sociology Theory (3)

Classical and contemporary theorists: Marx, Weber, Durkheim, Pareto, Homans and Parsons among others. Substantive theories of social organization. Prerequisite: At least two courses in sociology.

SOC 431 Comparative Criminology (3)

A cross-cultural comparative study of crime, criminological research, and criminal justice systems. The student may enroll in this course for credit in criminology (crosslist with CRIM 431).

SOC 432 Theories of Criminal Behavior (3)

Principal theories of criminality and the application of these theories to research and correctional practice are examined. The student may enroll in this course for credit in criminology (crosslist with CRIM 432).

SOC 433 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. The student may enroll in this course for credit in criminology (crosslist with CRIM 433).

Sociology

SOC 435 Advanced Criminological Theory

An in-depth analysis of one or more of the principal theories of criminology and the social policy, ethical and correctional implications of that theoretical approach. The student may enroll in this course for credit in criminology (crosslist with CRIM 435). Prerequisite: CRIM 432 or SOC 432 or consent of instructor.

SOC 444 Racial and Cultural Minorities (3)

Emergence of ethnic and racial minorities, comparative ethnic relations, racism and ethnocentrism, and future trends in relations between minorities and the dominant society.

SOC 460 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.

SOC 462 Sociology of Health and Illness

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.

SOC 465 Death and Dying (3)

Central issues concerning death and dying. The role of institutions in socializing persons toward death. Changes in attitudes toward death over the life cycle. Examination of the dying process, funeral, bereavement, living will, euthanasia and views on life after death.

SOC 479 Studies in Sociology (3)

Reading, research and discussion on selected topics in sociology. Topics will vary according to needs, interests and capability of the instructor and students.

SOC 480 Urban Sociology (3)

Social and ecological organization of cities. Emphasis on the American city; its settlement patterns, ethnic and racial groups and impact of urbanism on personality. The student may enroll in this course for credit in criminology (crosslist with CRIM 480).

SOC 481 Community Development (3)

The focus is on the historical development of rural settlements, how they exist in urban society, and the evolution of rural populations in structural, environmental and technological contexts.

SOC 493 Internship in Applied Sociology (3)

A supervised program enabling the opportunity to utilize and develop sociological skills, as they apply to natural social settings. Students will be placed in a community organization or will assist in a non-academic research project.

Sociology

Social Work Courses

SOC 494 Independent Research in Sociology (3)

Study of research under supervision of a member of the sociology or criminology faculty. Students wishing to enroll should prepare a short plan for this coursework.

SOC 499 Senior Research Seminar (3)

A scientific research study under the supervision of a member of the sociology or criminology faculty. The integration of theory and research is emphasized through basic or applied social research. Prerequisite: senior standing and SOC 355 and SOC 403.

SWK 380 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.

SWK 382 Social Work II-Social Welfare as a Social Institution (3)

The welfare system and the function of public and private agencies; the social security act; influencing social policy and legislation; issues in social reform; gaps in social welfare.

SWK 385 Social Welfare Programs, Policies and Issues (3)

The development and implementation of service delivery systems and policy analysis. The effects and influence of policy on practice and planning decisions are examined.

SWK 420 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.

SWK 422 Social Work Intervention: The Individual (3)

Theory and skills required to implement change in an individual. Emphasis is on interactional processes between social worker and client.

SWK 492 Practicum (Variable credit 3-6)

A supervised field and academic experience in the practice of social work methods, knowledge and skills in a social service or related agency. Variable credit of 3 or 6 hours depending on the number of hours worked and the academic requirements as established by the instructor. Prerequisite: 12 hours upper division credit hours in Social Work and consent of the instructor.

Speech

Administered by the Division of Humanities and Fine Arts.

Speech, as an academic field, encompasses the theory and practice of oral, as well as written, communication in a variety of settings. Although traditionally designed to prepare students to be effective oral communicators in the public speaking, group discussion and interpersonal settings, the modern speech curriculum requires students to be thoroughly familiar with the various theories of communication within inter-cultural, organizational and non-verbal contexts as well.

The study of speech also includes analysis of argumentative strategies and persuasive devices as present in written forms of communication. The programs in Speech and Mass Communications are associated within the faculty of Communication, indicating a close relationship between these two disciplines.

Students may choose to study Speech as a humanistic field, emphasizing such performance courses as oral interpretation, public speaking and rhetorical criticism. Students selecting this specialization would probably choose English, History, Political Science or related fields as a minor. Speech may also be approached as a social science with a particular emphasis in the interpersonal, intercultural, dyadic, small group dynamics, and persuasive theory of human communication. Related areas of minor study would include Mass Communications, Psychology, Sociology, and other fields.

Many students interested in humanities or social sciences select speech as a secondary or minor field of study. Other students elect one or two courses in speech as a complement to their major fields of study and to increase their awareness, confidence, and effectiveness as personal communicators.

A major in Speech requires a minimum of 30 semester hours in speech, 18 of which must be upper level courses; the minor in Speech requires a minimum of 18 hours, 12 of which must be upper level.

Degree plans for a major in Speech vary depending upon student's future goals and prior academic experience. Students should consult their faculty advisor for specific degree planning and course selection.

SPCH 101 Introduction to Public Speaking (3)[†] (SPCH 1315, 1321)

A course in the history, theory and practice of public speaking with an emphasis placed upon the selection of topic, research of topic, 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 requirement.

SPCH 102 Business and Professional Communication (3)

A course which places emphasis upon the principles, leadership strategies, listening skills and non-verbal techniques necessary for effective communication in the professional/business context. Emphasis is placed upon effective interviewing, group discussion, coadvocacy, oral presentations, speech writing and conducting meetings.

Bachelor of Arts

Course Listing

SPCH 179 Forensics Lab (1)

A laboratory course designed for students participating in intercollegiate forensic activities (debate, oral, interpretation, informative/persuasive/extemporaneous speaking, solo/duet dramatic interpretation). Students must have permission of forensics coach to enroll. This course may be repeated for credit up to four semesters.

SPCH 201 Improving Public Speaking Skills (3)[†]

A course in the history, theory and practice of advanced skills and techniques of public speaking with an emphasis on instructional presentations, use of audio/visual aids, and delivery of extemporaneous, inspirational, entertaining, informative and persuasive presentations. Prerequisite: SPCH 101 or permission of the instructor.

SPCH 210 Human Communication (3)

An introductory course designed to give students a survey of the speech communication field. Students will be introduced to the basic principles, concepts and modes of human communication in various contexts. Emphasis is placed upon the theory of one-on-one communication as well as upon communication research techniques.

SPCH 220 Intercultural Communication (3)

A study which explores the impact of cultural differences in human communication and which provides both theoretical and experiential opportunities to develop approaches toward gaining competence in communicating across cultural barriers.

SPCH 230 Communication in Organizations (3)

A survey course of research on communication in organizations with emphasis on relevant verbal and nonverbal factors. Topics include organizational, leadership, motivation, superior-subordinate relationships, problem-solving and communication auditing.

SPCH 240 Non-verbal Communication (3)

A course designed to study the origin, function and control of non-verbal, symbolic elements inherent in human communication.

SPCH 335 Advanced Interpersonal Communication (3)

An advanced course designed to enable students to understand and practice the theories and skills underlying person-to-person communications. Topics include the development, maintenance and dissolution of relationships, conflict, management, perception and listening skills. Prerequisite: SPCH 210 or permission of the instructor.

SPCH 340 Dynamics of Small Group Communication (3)

An introduction to group process and interaction, the concepts of leadership, effective participation and problem solving in the group setting.

SPCH 345 Advanced Public Speaking Skills (3)

An advanced practice-oriented course in speaking in the public setting. Students will research, prepare, analyze and present complex reports and speeches. Prerequisite: SPCH 101 or SPCH 102 or permission of the instructor.

Speech

SPCH 346 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.

SPCH 350 Storytelling (3)

A performance based course in which students will study and apply the theories and techniques of traditional American oral literature. Students will research, select, adapt and perform oral literature. Fulfills fine arts requirement for teacher certification.

SPCH 392 Practicum in Speech (3)

Student internship, under supervision of faculty coordinator, in a selected area of applied communication. This course may be repeated once for credit.

SPCH 406 Reader's Theater (3)

A performance based course providing practice and study of theory and techniques to transform a literary text into a Reader's theater production. Prerequisite: SPCH 346 or permission of the instructor.

SPCH 456 Theory of Argument and Persuasion (3)

A course designed to familiarize the student with the history and development of the theories and techniques of effective argument and persuasion as they apply to influencing human attitudes and behavior. Students will research, prepare, analyze and present complex persuasive speeches. Prerequisite: SPCH 345 or permission of the instructor.

SPCH 460 Theory and Practice of Debate (3)

A study of argumentation as a type of discourse and an instrument of critical decision making. This course provides instruction and practice in analysis, organization, use of evidence, refutation and delivery of persuasive speeches with emphasis on modern viewpoints and application of argumentation theory to selected controversies. Prerequisite: SPCH 456 or permission of the instructor.

SPCH 465 Rhetorical Analysis and Criticism (3)

A course which explores theories of rhetoric ranging from ancient Greece to modern times. Students examine different conceptions of how rhetoric negotiates public character, social truths and power. Students gain an understanding of the principles and standards required for the criticism of selected oral and written communication. Prerequisite: SPCH 456 or SPCH 460 or permission of the instructor.

Special Courses

Business Law

Courses Only

Business Law courses are offered in support of other programs in the division and for those students interested in pre-law preparation.

BLAW 220 Legal Environment of Business (3) (BUSI 2301)

Origin and history of law, its place in and effect upon society; court systems and legal procedures and their effect on businessmen and consumers.

BLAW 221 Legal Aspects of the Management Process (3) (BUSI 2302)

Law affecting management decisions regarding creating, regulation and control of business structures. Includes law of agency, principles of personal and real property law. Prerequisite: BLAW 220.

BLAW 322 Oil and Gas Law (3)

Legal problems in natural resource areas of oil and gas exploration, development and marketing.

Decision Science

Courses Only

Decision Science courses are offered to service other programs throughout the university.

DSCI 301 Introduction to Statistics (3)[†]

A study of statistical techniques applied to business and economic data. Topics include descriptive statistics, probability theory, random variables, probability distributions, sampling methods and distributions, statistical estimation and hypothesis testing. Prerequisite: Completion of six semester hours of mathematical analysis including business calculus or its equivalent.

DSCI 302 Inferential Statistics (3)

The application of statistical inference to problems in business and economics. Topics include hypothesis testing, analysis of variance, simple and multiple regression and correlation, chi-square analysis, time series, index numbers and nonparametric statistics. Prerequisite: DSCI 301 or its equivalent.

Natural Science

Courses Only

Natural Science courses are designed to emphasize the contemporary aspects of biology, chemistry, earth sciences and physics while minimizing the distinction between the disciplines. Stressed throughout are:

1. The impact of science on the individual's life.
2. The interaction of science with social, economic and political forces.
3. The strengths and limitations of science.
4. An understanding of science as a human endeavor.

These courses are designed for nonscience majors, but may be taken with permission as electives for science majors. These courses are independent of each other and one, two or both may be taken in any order.

Special Courses

NTSC 301 Contemporary Natural Science I (3)

Interaction of populations and life-support systems (energy, air, resources, water); environmental ethics.

NTSC 302 Contemporary Natural Science II (3)

Man as part of the environment: food chains, chemicals, radioisotopes and health.

These courses are designed primarily to satisfy the upper level capstone requirement of the various degree programs in Natural Sciences. The courses are open to all suitably prepared students whether or not they are in Natural Sciences major programs. All courses assume a background which includes one year of college level mathematics and one year of college level natural science with laboratory.

NTSC 401 Science and the Environment (3)

A study of the physical and biotic elements of the earth's environments, including applications of science and technology in understanding, evaluating, and remediating the impact of humankind. Prerequisites: one year of natural science with laboratory, one year of mathematics.

NTSC 411 History and Philosophy of Science (3)

History and philosophical development of science from Classical Greece to modern times. Prerequisite: one year of natural science with laboratory, one year of mathematics.

NTSC 412 Philosophical Issues in Modern Science (3)

Philosophical and methodological issues arising from the union of science and technology from the late Renaissance to the present. Prerequisite: one year of natural science with laboratory, one year of mathematics.

PHYS 221 University Physics I (4)[†] (PHYS 2425)

FA

Basic concepts of Newtonian mechanics, thermodynamics, and electrostatics are described using vectors and calculus. A variety of topics are addressed including linear and circular motion, rotation of a rigid body, oscillatory and wave motion, first and second law of thermodynamics, electric fields, and Gauss' Law. Prerequisite or corequisite: MATH 251.

PHYS 222 University Physics II (4)[†] (PHYS 2426)

SP

Basic concepts of electricity and magnetism, optics, and modern physics are described using vectors and calculus. A variety of topics are addressed including capacitance and inductance, direct and alternating current circuits, Faraday's Law, electromagnetic fields, Snell's Law, relativity, and quantum physics. Prerequisite: PHYS 221.

Physics

Special Courses

Philosophy

Courses Only

The study of philosophy is concerned with man's values and relationships with other individuals within institutions as well as in the speculative domain. It is also concerned with such matters as ethics, political and legal philosophy, aesthetics, standards of excellence in various pursuits and institutions, metaphysics, philosophy of religion, history, science and linguistics.

The university does not offer a major in philosophy but does offer courses which students may find of interest as a part of their general education.

PHIL 311 Logic (3)

Principles of reasoning and the systematic application of human intelligence in problem-solving. Symbolic logic, rule and laws of logical thought.

Theatre

Minor Only

The university does not offer a major in theatre but does offer courses which students may include in their general education for a minor.

THEA 361 Shakespearean Production (3)

Offered in conjunction with the Summer Shakespeare Festival of the Globe of the Great Southwest; introduces students to all phases of Shakespearean production in one of the most authentic settings existent throughout the world.

THEA 362 Creative Dramatics (3)

Improvisational drama, focusing upon learning imaginative techniques for dramatizing an idea, feeling or situation. Drama as "play" rather than performance.

THEA 405 American Drama (3)

Historical development of American drama; types of dramatic literature and masterpieces in American drama. Same as LIT 405.

THEA 425 British Drama I (3)

Drama as a literary genre through major works of British drama from the Middle Ages to 1800.

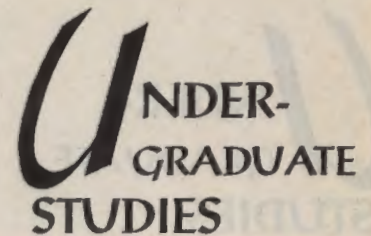
THEA 426 British Drama II (3)

Drama as a literary genre through major works of British drama from 1800 to the present.

THEA 479 Performance Workshop (3)

Play production activities including acting, stage managing, scenery, properties, lighting, costumes, publicity and box office.

Division Abbreviations



For purposes of computer processing, each discipline or area of study is assigned a letter abbreviation for identification consisting of either three or four letters, which is to be used in registration and elsewhere when the data is to be processed through the computer. The abbreviations are:

Discipline	Abbreviation
Accounting.....	ACCT
Anthropology.....	ANTH
Art.....	ART
Business Law.....	BLAW
Chemistry.....	CHEM
Computer Science.....	CPSC
Criminology.....	CRIM
Decision Science.....	DSCI
Economics.....	ECON
Education.....	EDUC
English.....	ENG
Finance.....	FIN
French.....	FREN
Geography.....	GEOG
Geology.....	GEOL
German.....	GERM
History.....	HIST
Humanities.....	HUM
Kinesiology.....	KINE
Life Science.....	LFSC
Management.....	MNGT
Marketing.....	MRKT
Mass Communications.....	MCOM
Mathematics.....	MATH
Natural Science.....	NTSC
Philosophy.....	PHIL
Physical Education.....	PHED
Physics.....	PHYS
Political Science.....	PLSC
Psychology.....	PSYC
Science and Engineering.....	SCEN
Sociology.....	SOC
Spanish.....	SPAN
Speech.....	SPCH
Theater.....	THEA

Standard Course Numbers

099	Developmental courses; not applicable to a degree.
100-199	Freshman courses.
200-299	Sophomore courses.
300-399	Junior courses; not eligible for graduate credit. See "Undergraduate Courses for Graduate Credit."
400-499	Senior courses; under certain conditions may be taken by graduate students for graduate credit. See "Undergraduate Courses for Graduate Credit."
500-599	Taught at post-baccalaureate level, do not apply to any degree at UT Permian Basin. These are not permitted for transfer to any degree program.
600-699	Graduate courses; open to graduate students, to students holding a baccalaureate degree and to UT Permian Basin seniors within ten hours of completing a baccalaureate program who have applied for and received acceptance to a graduate program.

Standard Numbers. At the university, several numbers are standard among all disciplines or in certain categories of disciplines.

389 Selected Topics

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.

391 Contract Study

Students who are pursuing independent study or research as described in the contract study format.

398 Senior Seminar

Seminar in the discipline or related disciplines.

489 Selected Topics

Same as 389, may be acceptable for graduate credit. (See "Undergraduate Courses for Graduate Credit.")

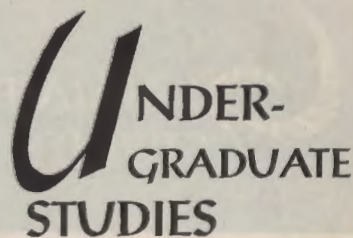
491 Contract Study

Advanced independent study or research (Same as 391 but equivalent to senior-level course). These courses will not count for graduate credit.

492 Practicum/Experiential Learning/Authentic Involvement

The number under which students register to meet the experiential learning requirement set forth in this catalog.

Standard Course Numbers



498 Senior Seminar

Seminar in the discipline or related disciplines.

The student must have the approval of the responsible instructor and an approved written contract before registering for courses 391, 392, 491 and 492. In some cases, prior approval is required for other courses and will be so indicated in the course descriptions in this catalog.

Master's Degree Programs

MBA	Business Administration	Division of Business Administration Corbett Gauden, Jr., PhD
MA	Education Education Administration Counseling Early Childhood Education Elementary Education Reading Secondary Education Special Education Supervision	Division of Education Don E. Miller, PhD Dr. Alan Milliren Spencer Thompson, PhD Thomas L. Dynneson, PhD Dr. Sue Bradley Terryl J. Anderson, PhD Kay Haney, PhD Don E. Miller, PhD
MA	English	Division of Humanities & Fine Arts Michael Kearns, PhD
MS	Geology	Division of Natural Sciences Emilio Mutis-Duplat, PhD
MA	History	Division of Humanities & Fine Arts J. Tillapaugh, PhD
MS	Life Science	Division of Natural Sciences Donald M. Allen, PhD
MA	Physical Education	Division of Behavioral Sciences Lois S. Hale, PhD
MA	Psychology	Division of Behavioral Sciences Spencer Thompson, PhD

The following degree programs also are available through UT Permian Basin:

MS	Electrical Engineering (UT Permian Basin)	Douglas F. Hale, PhD
MS	Petroleum Engineering (UT Austin)	Douglas F. Hale, PhD

Admissions

The university's graduate programs are administered by the Director of Graduate Studies under the direction of the Vice President for Academic Affairs. The Graduate Council, composed of one elected member from each of the five divisions and the Director of Graduate Studies, is responsible for developing policies and procedures concerning graduate education. It also advises the university administration on the operation of graduate programs.

Admission to Graduate Study. Those seeking admission should write to the Office of Admissions for an application form, which must be filled out and returned. In addition, official transcripts of all prior college or university study must be sent directly to the UT Permian Basin Admissions Office. Student copies of transcripts are not acceptable. Transcripts must include certification of the bachelor's degree. The application form and transcripts are required of graduates of UT Permian Basin as well as of students new to the university. They are required of all postbaccalaureate students whether the student is seeking acceptance to a master's degree program or taking courses for other purposes such as transfer to another university or for teacher certification or career ladder.

Deadlines for Submission of Application. The application and all supporting documents should be received by the Admissions Office at least 30 days prior to the registration date.

International Students Admissions. See "Undergraduate Admissions," see page 15.

English Proficiency. All postbaccalaureate students wishing to enroll at the university to pursue a master's degree or take courses for another purpose, are expected to demonstrate proficiency in the English language. International students must submit a satisfactory Test of English as a Foreign Language (TOEFL) independent-study score (550 or better) in order to be admitted to graduate study. See "International Students," page 15.

Senior-Graduate Concurrent Study. UT Permian Basin seniors needing fewer than 10 semester credits for graduation and meeting other admission requirements may be admitted to graduate study. They must be registered concurrently for all remaining courses required for the bachelor's degree and obtain written permission from the Director of Graduate Studies to take graduate courses.

Admission

International Student Admissions

Master's Degree Acceptance

Acceptance

Degree Programs

A student who holds a bachelor's degree from an accredited institution of higher education is eligible for acceptance in a master's degree program or as a special status student.

Requirements for Acceptance. There are five basic requirements for acceptance to a graduate program: (1) a bachelor's degree from an accredited institution in the United States or proof of equivalent training at a foreign institution; (2) a B average or better in upper level (junior and senior level) work and in any graduate work already completed or other evidence of ability to succeed in graduate study; (3) a satisfactory score on the Graduate Record Examination (or, for the MBA program, the Graduate Management Admission Test); (4) adequate subject preparation for the proposed graduate program; and (5) acceptance by the Graduate Acceptance Committee of the Division in which the student expects to pursue graduate study.

The Graduate Record Examination General (Aptitude) Test. The General (Aptitude) Test of the Graduate Record Examination is designed to test preparation and aptitude for graduate study. Students seeking acceptance in a graduate degree program except the MBA must achieve a satisfactory score on the GRE. Students seeking acceptance to the MBA program must achieve a satisfactory score on the GMAT (see below). The GRE is taken at the applicant's own expense and ordinarily is given five times a year, usually in October, December, February, April and June.

The Graduate Management Admission Test. The GMAT is an aptitude test designed to measure certain mental capabilities important in the study of management at the graduate level, and it must be completed with a satisfactory score by all students seeking acceptance into the MBA program. The test is taken at the applicant's own expense and ordinarily is given four times a year, usually in October, January, March and June.

The Graduate Acceptance Committee. Each Division has established a Graduate Acceptance Committee to evaluate applicants for acceptance to graduate programs within the Division. Upon receipt of all required documents, i.e., application form, official transcripts of all higher education course work, TOEFL scores for foreign students, and GRE/GMAT scores, the Graduate Studies Office transmits each advising file to the Graduate Acceptance Committee in the Division offering the program. Included in the advising file are copies of all documentation plus an acceptance form with the applicant's eligibility status. Upon completion of its deliberations, the Graduate Acceptance Committee returns its decision and any conditions of acceptance to the Director of Graduate Studies, who notifies the student in writing. Acceptance of a student to graduate study is subject to review by the Director of Graduate Studies for consistency with graduate policies and procedures.

Acceptance

Acceptance Categories and Requirements. Students are accepted to a degree program with regular status, provisional status, or conditional status. Students accepted into programs with other than regular status will be assigned special conditions by which they may attain regular status. These conditions include both the number of semester hours to be taken and the minimum grade requirements. If these conditions are not met in their entirety, the student will be denied permission to continue in the graduate program. Only under the most extraordinary and compelling circumstances, and with the approval of the Director of Graduate Studies, will students seeking regular status be allowed to drop courses meeting their assigned special conditions for acceptance.

Individual degree programs may have additional requirements for acceptance to graduate study and advancement to candidacy for the degree.

1. Regular Status

- a. A student is eligible for regular status with an earned graduate degree from an accredited college or university and adequate preparation in the discipline; or
- b. With a grade-point average (GPA) of 3.0 or higher (on a 4.0 scale) in the upper division courses required for the degree and a total Quantitative - Verbal - Analytical Graduate Record Examination (GRE) score of 1500 (1000 if only the Quantitative - Verbal exam is taken) or higher, and adequate preparation in the discipline. In place of these GRE provisions, acceptance to the MBA program requires a satisfactory academic record and Graduate Management Admission Test (GMAT) score. See "Master's Degree Program-Master of Business Administration."

2. Provisional Status

A student whose GPA or GRE/GMAT scores are below the minimum for regular status but whose GPA is not less than 2.5 and GRE is not less than 1200 for Verbal - Quantitative - Analytical (800 for Verbal Quantitative) is eligible for provisional acceptance to a graduate program. (Prospective MBA students should consult the MBA section for GMAT acceptance criteria.) All students accepted with provisional status shall be assigned specific requirements in terms of courses and performance, to include a minimum of nine semester credit hours of 600-level course work, with a grade of B or better in each course taken. Any leveling requirements must be met before the student begins his/her graduate program.

3. Conditional Status

A student who meets the minimum GPA and GRE/GMAT requirements in 1 or 2 above, but has deficiencies in undergraduate preparation in the discipline is eligible for conditional acceptance. A student so accepted shall be assigned specific requirements in terms of courses and performance. These requirements must be met

Graduate Study Regulations

Regulations

Student Responsibility. Students are responsible for knowing degree requirements and for enrolling in courses that apply to their degree program. Knowing university regulations pertinent to the standard of work required for continuation in graduate study is also the student's responsibility.

Transfer of Credits. Credit for graduate courses completed at another accredited institution may be applied toward a master's degree at UT Permian Basin. A maximum of six semester credits may be transferred if appropriate for the student's program and approved by the student's advisor. Three additional credits may be transferred upon approval of the Director of Graduate Studies. No course credit with a grade of **C** or lower may be transferred to UT Permian Basin. No undergraduate course work taken at another university, even when taken for graduate credit, may be transferred to UT Permian Basin.

All credit transfers must be approved after acceptance to a graduate program and *prior to the student's completion of 12 semester credit hours at UT Permian Basin*. It is the student's responsibility to initiate the approval process.

Should the advisor and/or Director of Graduate Studies not approve the transfer of any credits, the student has the right to submit a petition to the Graduate Council, which will make the final decision. When submitted to the Graduate Council, the petition must include the recommendation of the student's advisor, committee, and the Director of Graduate Studies.

To receive more than a total of nine hours of transfer credit, the student must file a petition with the Director of Graduate Studies. The petition must include the recommendation of the student's advisor and committee. Requests for more than a total of nine semester hours of transfer credit must go to the Graduate Council for a decision.

To insure acceptance of credit toward the master's degree, the student must obtain prior written approval from the student's advisor for any courses taken at another institution after the student has matriculated at UT Permian Basin.

No correspondence study credits apply toward the minimum requirements for the master's degree, and no credit more than 8 years old at the time of graduation may be applied toward requirements for the degree. A maximum of 6 credits of approved extension course work, whether completed through UT Permian Basin or at another institution, may be applied toward meeting minimum requirements for the master's degree.

Courses Counted for Another Degree. No course counted toward another degree may be counted toward a master's degree, either directly or by substitution.

Undergraduate Courses. Students may apply a maximum of nine credit hours of 400-level courses toward master's degree requirements. In order to be eligible to count toward the degree, these courses must be approved by the master's degree committee and taken **after** acceptance to a degree program.

Graduate Courses Taken Prior to Acceptance In a Degree Program. A maximum of six credit hours of 600-level course work taken prior to acceptance in a master's

Regulations

degree program may be applied to the degree, subject to the approval of the student's graduate committee.

Contract Study. Only two contract study courses may be counted toward the degree. Any contract study course applied toward the degree must be 600-level.

Course Load. Nine semester credit hours constitute a full-time semester load for graduate students. The maximum course load for graduate students is 15 semester credit hours in a fall or spring semester or 6 semester credit hours in a six week summer term. Registration in excess of the maximum course load requires approval of the Director of Graduate Studies and is permitted only under exceptional circumstances. Students employed by UT Permian Basin as student or teaching assistants must reduce their course loads accordingly. Part-time students employed full time may take no more than two courses per semester without the approval of the Director of Graduate Studies. The maximum credits for which students may register in a semester or summer term apply to the combined credit for both conventionally taught courses and self-paced courses. If students finish a self-paced course before the end of the semester or summer term, they may register for another self-paced course immediately or at any time during that semester up to four weeks prior to the end of the semester.

Grading Policies and Academic Progress. Students in graduate programs receive credit only for courses in which a grade of **A**, **B** or **C** has been earned. No more than two **C** grades in 600-level courses may be counted toward the degree. Credit toward the degree will not be granted for any 400-level courses in which a **C** is earned. Occurrence of a **D** or **F** in a graduate program shall be grounds for dismissal from the graduate program. The master's project/thesis will be graded **S** for Satisfactory and **U** for Unsatisfactory. All practicum courses will be graded by **S** and **U**. The **S** does not calculate in the Grade Point Average (GPA). The **U** calculates as a failing grade in the GPA. Degree candidates are required to present an overall average of not less than **B (3.0)** at the end of their program of study. Pluses and minuses do not enter into the GPA calculation.

For project/thesis work in progress, the letters **PR** will be assigned in lieu of a final grade. Upon completion of the master's project/thesis and upon final evaluation by the committee and approval by the Director of Graduate Studies, grades for the most recent enrollments (not to exceed six credits for thesis and three credits for project) will be converted to **S** or **U**. All grades of **PR** in excess of 6 credit hours for thesis and three credit hours for project will be converted to **NG** (No Grade). Neither the **PR** nor the **NG** grade calculates in the GPA at any time.

Continuation in a graduate degree program is dependent on satisfactory progress in resolving any acceptance conditions and maintenance of not less than a **B** average (**3.0 GPA**) in all-course work taken according to the program plan. Special status students accruing graduate credit course work are bound by the same scholastic standards that apply to regularly enrolled degree-seeking students.

Regulations

Graduate students taking undergraduate courses which are not part of their degree program and special status students taking undergraduate courses will be held to the same GPA requirements as regular undergraduate students taking the same courses, which is a GPA of at least 2.0. Teacher certification students must maintain a GPA of at least 2.75.

A student whose GPA falls below the GPA requirements stated above will be placed on probation for one semester or 6 semester credit hours. Failure to bring the cumulative GPA up to 3.0 within that period will result in dismissal. After one semester, a student who has been dismissed may reapply for admission and must present evidence of reasonable expectation to succeed in graduate study. A student dismissed a second time may reapply after one full academic year. No student may reapply after three dismissals for academic deficiencies.

Readmission. A former graduate student must notify the Admissions Office of the intention to return to study at UT Permian Basin. A student who has not attended UT Permian Basin for two or more terms or who wishes to pursue a different major upon returning must report to the Admissions Office and complete a new application. Notification of attendance at other institutions must be provided and transcripts from all other institutions must be submitted.

Any student who is not eligible to return immediately to a former institution is not eligible to enroll at UT Permian Basin. A student who is dismissed for disciplinary reasons from another institution will not be readmitted.

Advisement. Upon acceptance into a graduate program, each student will be assigned a faculty advisor by the department chair or coordinator of the program in the student's field of major interest. Prior to completion of one-half of the course credits required for the degree, the advisor and the student will nominate a committee of three or more members of which the initial advisor may or may not be the chair or a member. Each graduate student's committee will consist of graduate faculty members from the academic department(s) offering the degree, plus one member from outside the department(s) who will represent the graduate faculty. At the time the student's committee is formed, the graduate faculty representative will be appointed by the Director of Graduate Studies, who will also approve the committee and the student's degree plan.

The committee is responsible for developing the student's program of study, for arranging and conducting examinations and for certifying the student's completion of all requirements for the degree. All recommendations by the committee are subject to review and approval by the Director of Graduate Studies.

Candidacy. Candidacy for the master's degree is established when, following acceptance into a degree program and completion of all acceptance requirements, the graduate student and the advisor plan a program of study which is approved by the student's committee, the department chair or program coordinator, and the Director of Graduate Studies. Filing of the degree plan with the Office of Graduate Studies should be done upon or prior to completion of 12 semester credit hours of degree requirements and **must be** done prior to completion of 18 semester credit

Standard Course Regulations

hours toward the degree. Students failing to submit a program or receive approval may be required to complete one-half of the required credits (exclusive of project/thesis) after approval is received. The planned program should list all courses, any special projects, and any other educational experiences that are to be a part of the master's program. It is not necessary to include the topic if the project/thesis option is chosen.

Time Limitations. The master's degree **must** be completed within eight years. The eight year period begins at the date of completion of the first course to be applied toward degree requirements. No course more than eight years old at the time of graduation may be applied toward requirements for the degree. This includes any transfer credit and project or thesis credit.

Oral Examination. Successful completion of all courses and research requirements does not assure receipt of the master's degree. After all requirements have been fulfilled, candidates (except MBA) normally sit for an oral examination by their committee, which includes a representative of the graduate faculty. The examination covers the subject matter of the candidate's field or discipline and research, if a project/thesis is part of the student's program. Candidates must demonstrate an appropriate level of knowledge and understanding of their field and research effort in the oral examination. Two negative votes on a committee of four or more members results in failure. Candidates failing the oral examination may sit for reexamination only twice more within five years of the initial failure. Candidates failing the examination will be given direction for study and rewriting of the project/thesis report in order to improve the chances of passing the examination on a subsequent attempt.

Master's Thesis/Research Project Report. The final copies of the master's project/thesis must be prepared according to the regulations presented in the current edition of INSTRUCTIONS FOR PREPARATION OF MASTERS THESIS AND RESEARCH PROJECT REPORTS available from the UT Permian Basin Bookstore. Binding fees consist of \$1.50/copy for the project and \$6.00/copy for the thesis. Students must submit not less than an original and three copies of the project/thesis.

The Director of Graduate Studies examines each project/thesis to determine whether or not it meets university requirements and format guidelines. In order to reduce the number of last minute corrections, the student is encouraged to consult with the Graduate Office during preparation of the report and to submit the master copy of the final draft of the report for review before having additional required copies prepared. This copy should be submitted for review well in advance of the deadline to allow adequate time for the Graduate Director's examination, time for the student to make necessary corrections, and time to have the final required copies made.

Regulations

Continuous Registration. Each student must register for the number of hours determined by his/her committee for the master's project/thesis. Students must register for 698/699 each semester in which they work under the supervision of their advisor toward the completion of the project/thesis and/or use the resources of the university. Although multiple registrations for these courses are common, a maximum of three hours for project or six hours of credit for thesis will be granted on the final academic record.

Enrollment for project or thesis is permitted only during the regular and late registration periods. Students away from campus may register by mail, providing arrangements are made with the Registrar's Office at least 30 days prior to the registration period for the semester. Under special circumstances, registration *in absentia* may be permitted if approved by the committee chair and the Director of Graduate Studies.

Applying for Graduation. The prospective graduate must complete and file an application for graduation during the registration period of the semester graduation is planned. Students failing to graduate after paying the graduation fee will forfeit that fee and must reapply when they register for each semester in which they intend to graduate. Early in the semester of graduation, a degree check will be initiated for the student. The student must enroll for at least three semester credit hours in one of the standard numbered courses during the semester in which graduation actually occurs or, under special circumstances, register *in absentia*.

In Absentia Registration

A candidate for a degree who has completed all the requirements for graduation and who needs to register for the purpose of having a degree conferred (not to take courses) 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 change to *in absentia* status must be approved by the Director of Graduate Studies and processed through the add/drop procedure; i.e., a student will drop the courses for which he has registered and add the *in absentia* registration. All fees, less the *in absentia* fee, will be refunded if the change is made during the first twelve class days. After the twelfth class day, no refunds are 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.

Standard Course Numbers

Several numbers are standard among all disciplines at UT Permian Basin.
These include:

689 Selected Topics (1-3)

Graduate courses which will be offered only once, will be offered infrequently or are being developed before a regular listing in the catalog.

691 Contract Study (1-3)

For students who are pursuing independent study or research (as described in the contract study format). Available only in disciplines in which the master's degree is offered. Contract study should not include course work which is offered in regular undergraduate or graduate courses. SPI enrollment would be the preferred mode for individual enrollment in such a course. All 691 enrollment forms will be routed through the Director of Graduate Studies for approval prior to acceptance by the Registrar. A limit of six semester credit hours is established for the amount of contract study credit which will be accepted for a master's degree.

692 Experiential Learning (1-3)

Referred to as authentic involvement or as practicum depending upon the discipline. Available only in disciplines in which the master's degree is offered.

695 Seminar (1-3)

Available only in disciplines in which the master's degree is offered.

698 Master's Project (3)

Meets the research requirements for the nonthesis option in master's degree programs.

699 Master's Thesis (3 or 6)

Meets the research requirements for the thesis option in master's degree programs.

Students must have the approval of the instructor before registering for courses 691, 692, 698 and 699. In some cases, prior approval is required for other courses and will be so indicated in the schedule of classes.

Division Abbreviations

For purposes of computer processing, each discipline or area of study is assigned a letter abbreviation for identification consisting of either three or four letters, which is to be used in registration and elsewhere when the data is to be processed through the computer. The abbreviations are:

Discipline	Abbreviation
Accounting.....	ACCT
Anthropology.....	ANTH
Art.....	ART
Business Law.....	BLAW
Chemistry.....	CHEM
Computer Science.....	CPSC
Criminology.....	CRIM
Decision Science.....	DSCI
Economics.....	ECON
Education.....	EDUC
English.....	ENG
Finance.....	FIN
French.....	FREN
Geography.....	GEOG
Geology.....	GEOL
German.....	GERM
History.....	HIST
Humanities.....	HUM
Kinesiology.....	KINE
Life Science.....	LFSC
Management.....	MNGT
Marketing.....	MRKT
Mass Communications.....	MCOM
Mathematics.....	MATH
Natural Science.....	NTSC
Philosophy.....	PHIL
Physical Education.....	PHED
Physics.....	PHYS
Political Science.....	PLSC
Psychology.....	PSYC
Science and Engineering.....	SCEN
Sociology.....	SOC
Spanish.....	SPAN
Speech.....	SPCH
Theater.....	THEA

Business Administration



The Master in Business Administration (MBA) program is open to all students holding baccalaureate degrees from accredited colleges or universities and meeting the following provisions: satisfactory performance during the last two undergraduate years (or other evidence predicting success in graduate study), and a satisfactory score on the Graduate Management Admission Test (GMAT). Application should be directed to the Office of Admissions.

Students without an academic background in business administration must demonstrate their knowledge in the basic fields of business by completing up to 24 semester credits of leveling course work in the foundation disciplines which include accounting, business law, statistics, economics, finance, basic administration, marketing and computer programming.

The MBA program is designed primarily as a professional program rather than a preparation program for doctoral study. Both research and nonresearch options are available in the program. Students planning to pursue doctoral study or having an interest in research should select the research option. Students choosing the nonresearch option must complete a minimum of 36 semester credits of prescribed study, exclusive of the 24 semester credits of leveling course work. Students choosing the research option must complete either 30 semester credits of prescribed study plus a thesis, or 33 semester credits of prescribed study plus a research problem.

The thesis must deal with a topic of generalized concern to the profession, be scholarly in its orientation, demonstrate the student's understanding of and ability to use sophisticated research techniques, and show promise of a contribution to knowledge that could be worthy of publication in a scholarly or professional journal. Students will arrange with their graduate committees to sit for an oral examination of their thesis.

The research problem should deal with a practical problem of concern to the student. It should follow recognized research procedures but does not require the level of sophistication of thesis research. The findings do not necessarily need to be of such import as to merit publication.

The requirements for admission to the MBA program are the same as the general university admission requirements with the following exceptions:

1. The Graduate Management Admission Test (GMAT) is a nationally recognized test designed specifically for students preparing to pursue the MBA degree. Students preparing to be admitted to the MBA program must take the GMAT test after consultation with the Coordinator of the MBA Program.
2. The GMAT score is converted to an entrance status score according to the following formula: $GPA \times 200 + GMAT = \text{Entrant Status Score}$.
3. A student is eligible to be accepted to the MBA program after the GMAT exam is successfully completed. With the prior approval of the Coordinator of the MBA program, the Director of Graduate Studies notifies students of their acceptance status.

Master of Business Administration

Admission

Business Administration

4. The GMAT entrance status score will be used to classify the student.

Regular Standing - GMAT Entrance Status score at least 1120.

Provisional Standing - GMAT Entrance Status score at least 1000 but less than 1120.

Conditional Standing - GMAT See Graduate Study Regulations on page 202.

Students granted provisional status will normally be granted regular status upon successful completion of a minimum of nine semester credit hours of MBA core course work with a grade of **B** or better in **each** course taken. No elective courses may be taken by a student in provisional status.

Grades. MBA students will not be given graduate credit for courses taken when the letter grade earned is less than **C**. In addition, an MBA student may earn no more than two **C** grades. A degree candidate is required to maintain an overall average of **B** throughout his or her program of study.

MBA students may not take any MBA core courses or electives before completing at least the equivalent of 18 hours of pre-professional courses, and may not take more than six hours of MBA core courses and no electives before completing all pre-professional course requirements.

Prospective MBA students should be aware that each MBA pre-professional course is roughly equivalent in course content to one and one half or two undergraduate core courses.

Students who have not completed the equivalent of six semester hours of undergraduate mathematics including exposure to differential and integral calculus are strongly encouraged to seek advice on mathematics preparation from the MBA program coordinator prior to enrollment in DSCI 600.

**MBA Program
Pre-Professional 24 Hrs.**

ACCT	600	Accounting Concepts	3
BLAW	600	Business Law	3
DSCI	600/MATH 601	Advanced Statistics for Managers	3
ECON	600	Economic Analysis	3
FIN	600	Concepts of Business Finance	3
MNGT	600	Basic Administration	3
MRKT	600	The Marketing Process	3
CPSC	600	Computers in Management and Science	3

MBA Core 27 Hrs.

ACCT	601	Profit Planning and Control	3
ACCT	611	Information Systems Management	3
ECON	602	Forecasting Business Conditions	3

Business Administration



FIN	620	Financial Management: Theory and Techniques	3
DSCI	603	Analytical Models for Decision Making	3
MNGT	660	Organization Theory (or MNGT 612)	3
MNGT	661	Business Research	3
MNGT	666	Management Policy and Integration	3
MRKT	610	Marketing Strategy and Theory	3

Students select nine elective hours of work in an area of business concentration. Only two 400-level courses may be used in the concentration, and then only with the advance approval of the student's advisor.

ACCT 600 Accounting Concepts (3)

Concepts and principles in the recording, classifying and summarizing of financial transactions of a business and financial statement analysis.

ACCT 601 Profit Planning and Control (3)

Integrates functional and operational aspects of organizations through the master budget concept. Prerequisite: demonstrate knowledge of managerial and cost accounting.

ACCT 604 Tax Planning (3)

Methodology used in tax research and in tax planning using the adversary approach.

ACCT 611 Information Systems Management (3)

Methods and problem resolution in developing and managing company wide information systems.

BLAW 600 Business Law (3)

General business law, including contracts, sales, commercial paper, secured transaction, agency, corporations and partnerships.

DSCI 603 Analytical Models for Decision-Making (3)

Deterministic linear programming, networks and dynamic programming. Emphasizes formation and utilization of programming computer packages.

ECON 600 Economic Analysis (3)

Economic efficiency and the determinants of the major economic aggregates such as growth, employment and gross national product.

ECON 602 Forecasting Business Conditions (3)

Elements and evaluation of principal forecasts used by business and government. Cases based on forecasts by the President's Council of Economic Advisors. Prerequisites: ECON 600 or six credits of undergraduate economics.

Concentration 9 Hrs.

Accounting

Business Law

Decision Science

Economics

Business Administration

Finance

FIN 600 Concepts of Business Finance (3)

Managerial use and application of concepts and principles of the finance function of a business. Prerequisite: ACCT 600.

FIN 620 Financial Management: Theory and Techniques (3)

Investment, financing and dividend decisions of firms seeking to maximize shareholder wealth. Analytical techniques, economic and behavioral theories and financial environment. Prerequisite: permission of instructor.

FIN 621 Business Financial Policy (3)

Problems of business finance from a decision-making, internal, problem solving viewpoint.

FIN 622 Investment Policy and Environment (3)

Fixed-capital investment decisions under risk. Management of packages of risky assets. Yield and liquidity cash management.

FIN 623 Financial Analysis (3)

Analytical applications in financial forecasting, cash budgeting, lease vs. borrow, bond refunding and option pricing using spreadsheet analysis and other common management tools. What-if analysis and statistical applications are added to the applications. Prerequisite: FIN 620.

FIN 645 Financial Case Analysis (3)

Evaluation and presentation of complex real-world financial cases. Prerequisite: FIN 620 and knowledge of electronic spreadsheets.

Management

MNGT 600 Basic Administration (3)

Synthesis of traditional and behavioral approaches to studying management. Management process, management history and organizational behavior.

MNGT 610 Organization Dynamics Workshop (3)

Impact of organization structures and processes on the performance of organizational members. Role playing, simulations and case studies.

MNGT 612 Human Resource Management (3)

Manpower planning and development, organizational climate and the provision of personnel services will be investigated.

MNGT 615 Organization Development and Change (3)

Problems in introducing change in organizations, theory and methods of intervention in organization development.

Business Administration

MNGT 660 Organization Theory (3)

Internal organization structure and executive roles and functions in the business enterprise and other goal-directed institutions.

MNGT 661 Management and The Research Process (3)

The course looks at research in the business environment from its most general case, marketing research. The research process paradigm is thoroughly investigated with a special emphasis on the role of business research in management decision making. Prerequisite: MATH 601, MNGT 600 and MRKT 610.

MNGT 666 Management Strategy/Policy (3)

Opportunity for development and implementation of knowledge from multiple disciplines and integration of viewpoints of different functions of an organization. Case evaluation and discussion are stressed. Prerequisite: student must be within last nine hours of completion of MBA program and have completed all other MBA core courses.

MRKT 600 The Marketing Process (3)

Marketing process and its underlying concepts. Information needed and the incorporation of marketing decisions into the management function.

MRKT 610 Marketing Strategy and Theory (3)

Macro- and micro-marketing systems and approaches to marketing strategy and theory. Prerequisite: admission to MBA core program.

MRKT 612 Consumer Decision Processes (3)

Information flows between buyer and seller, informational properties of demand stimulation strategies from the firm, consumer and society viewpoints. Prerequisite: MRKT 600.

MRKT 615 Seminar In Marketing Problems (3)

Product assortment and development, pricing, packaging, branding and sales forecasting. Coordination of these decisions with other decision areas. Prerequisite: MRKT 610.

MRKT 621 Oil and Gas Marketing (3)

Analysis of the physical and organizational structure of oil and gas distribution within the context of case studies of both major and independent oil companies. Prerequisite: MRKT 600.

Marketing

Education

Master of Arts

The Master of Arts degree in Education is offered with options in educational administration, counseling, early childhood education, elementary education, reading, secondary education, special education and supervision.

Graduate students in Education seeking Texas certification should have had teaching experience before enrolling in graduate study. Those who have not had such experience will, except in unusual cases, be expected to gain teaching experience before completion of the MA degree. The Master of Arts degree program in Education is open to students not seeking educational certification. Students without prior professional education may be required to take 6-12 semester hours of leveling courses.

Students receiving the MA degree in Education must complete a minimum of 36 semester credit hours of a prescribed course of study. These 36 semester credit hours must include a minimum of 33 hours of prescribed course work plus the satisfactory completion of a 3 our master's study and its oral defense before the student's master's committee. The master's study requires the student to pursue a problem involving an issue in education of special interest to the student which is derived from his/her program of study. This study shall be under the supervision and direction of the student's master's committee and customarily involves the application of research techniques, theories and principles of education relevant to the problem studied. The format for the report of the master's study shall follow the guidelines of The UT Permian Basin Graduate Council Manual, Instructions For Preparation of Masters Thesis and Research Project Reports. Format concerns not attended to by The UT Permian Basin style manual shall conform to one of the established manuals of style (e.g., APA Publications Manual).

The Master of Arts degree options in early childhood education, elementary education, secondary education and special education may be so planned as to prepare the student primarily for teaching or for supervisory roles. The MA option in reading is designed to prepare reading specialists for teaching, diagnosis and coordination in elementary and secondary schools. The MA option in educational administration is designed for preparation and certification at the mid-management and superintendent levels. The master's option in supervision is designed to prepare general supervisors in program areas. The MA option in counseling is designed primarily to prepare counselors for elementary or secondary school service.

The Master of Arts degree in Education requires at least one-half of the course work in the major area of study or in areas directly related to it. Those students seeking professional certification must meet the following requirements: (1) bachelor's degree; (2) valid Texas teacher certificate; (3) completion of at least 30 semester credit hours of graduate-level courses beyond the bachelor's degree in an approved graduate teacher education program including 12 semester credit hours in the area or areas of specialization to appear on the certificate; (4) three years of teaching experience; (5) submission of an application with appropriate fee (money order or cashier's check) and recommendation from the faculty to the Education Certification Officer; and (6) a passing score on the appropriate ExCET exams.

Education

MA program options for elementary and secondary education may be organized to include endorsements in kindergarten, bilingual education or English as a second language.

Options also are offered leading to certification as reading specialist, mid-management educational administrator (principal or central system administrator) and superintendent.

EDUC 604 Methods of Program Evaluation (3)

Functions of evaluation, performance and outcome measurement, design, administration and reporting of evaluation programs.

EDUC 606 Staff and Organization Development (3)

Readings and applications, with an emphasis on designing training and development strategies for school staff, structure, behavior and programs.

EDUC 607 Supervision for Instructional Leadership (3)

Systematic design and analysis of strategies for instructional leadership and supervision of teacher performance with an emphasis on clinical approaches.

EDUC 608 Supervision of Student Teaching (1-3)

Supervision of student teachers at secondary or elementary school levels. Techniques and procedures for supervising the effectiveness of instruction, activities and programs.

EDUC 660 Organizational Theory in Educational Administration (3)

Nature of organizational life and administrative behavior in the educational enterprise.

EDUC 661 Fiscal and Legal Aspects of Education (3)

Application of principles of public fiscal policy to education. Effects of the law on processes of public school education and its administration.

EDUC 663 Administration of Special Programs (3-4)

Administration of special and compensatory education, reading, career education, vocational-technical education and library media education.

EDUC 666 Administration and Management of Schools (3)

Major issues and trends in public school administration: centralization, decentralization, allocation of educational resources, organization, policy development, curriculum change and strategic planning.

EDUC 667 Foundations of Public School Administration (3)

Theory of administration. Study of setting, function and process of administration.

EDUC 668 Principalship (3)

Administrative processes and functions of the elementary and secondary school principal in the context of school district organization and administration.

Course Listing Administration and Supervision

Education

Curriculum and Instruction

EDUC 669 School Human Resources Management (3)

Personnel management theory and research. Emphasizes skills in recruitment, selection, assignment, staff development, supervision and evaluation.

EDUC 683 School Finance (3)

Principles, trends and practices in financing public education, including sources of school revenue, taxation and fiscal policies.

EDUC 685 Educational Change and Design of Facilities (3)

Planning a building program: educational plan, determining objectives, specification, selecting the architect, evaluating plant, school standards and equipment.

EDUC 687 Education and Socioculture Change (3)

Contemporary social issues and their relationship to instruction and policy formation, including professionalization, race relations and pressure group influences and processes.

EDUC 688 Contemporary Philosophical Problems in School Administration (3)

Selected contemporary problems in school administration in terms of basic philosophical concepts such as "value," "freedom" and "authority".

EDUC 615 Teaching Language Arts and Reading for Spanish Speakers (3)

A critical analysis of materials in Spanish available for teaching language arts and reading. A survey of strategies for teaching reading and language arts to Spanish speakers.

EDUC 616 Teaching English as a Second Language (3)

An introduction to theoretical and practical aspects of teaching English as a second language (written and oral) to non English speaking children.

EDUC 621 Curriculum Foundations of the Elementary School (3)

Foundations of curriculum of the elementary school. Review of aims, methods and approaches to curriculum, instruction programs and evaluation.

EDUC 631 New Strategies In Secondary Science (3)

Organizing and sequencing lessons and units in junior high and senior high science courses. Students videotape and evaluate their own teaching.

EDUC 632 Current Issues and Trends In Curriculum and Instruction (3)

Examination of current areas of controversy affecting curriculum and instruction with emphasis on alternative values and positions in a pluralistic culture.

EDUC 634 Curriculum Foundations of the Secondary School (3)

Foundations of curriculum of the secondary school. Aims, methods and approaches to curriculum, instruction, programs and evaluations.

Education

EDUC 636 Advanced Problems In English as a Second Language (3)

A comparative and contrastive analysis of the interrelationships of language, culture and learning in the classroom setting.

EDUC 637 Problem Solving In Mathematics Education (3)

Examines recent findings regarding problem solving in mathematics education and analyzes a variety of models for heuristic application and diagnostic purposes.

EDUC 638 Strategies for Teaching Science, Mathematics and Social Studies In Spanish (3)

Primary emphasis will be placed on developing teaching plans, materials and teaching demonstrations using vocabulary appropriate for the discipline and grade level at which material is presented.

EDUC 639 Innovations In Teaching Elementary School Science (3)

Similarities and differences between newer elementary science programs and existing approaches; interaction with elementary children using materials and activities from current curricula.

EDUC 627 Advanced Social Studies Education (3)

Issues, teaching strategies and curriculum materials are combined to offer knowledge and experience in recent trends in social studies education.

EDUC 628 Linguistics and Grammar for the English as a Second Language Teacher (3)

A survey of structures of English as well as general issues in language such as language variation, non-verbal communication and uses of languages.

EDUC 630 Theories of Curriculum and Instruction (3)

An introduction to contemporary conceptions of curriculum and instruction as related to teaching and administration in elementary and secondary schools.

EDUC 641 The Design of Instructional Systems (3)

Primary emphasis on designing a course of instruction using systems theory and the programmed instructional process.

EDUC 642 Individualized Instruction Through Media (3)

Defining objectives behaviorally; developing sequential learning activities; analyzing pupil readiness; prescribing appropriate strategies for continuous individual progress through selective use of media.

EDUC 670 Introduction of Counseling and Guidance (3)

Theoretical, experiential and applied overview of counseling and guidance services in the schools and community. Emphasizes functions of counselors in different settings.

Counseling and Guidance

Education

EDUC 671 Group Techniques for Counselors (3)

Dynamics and theory of group processes as applied to group procedures in counseling and psychotherapy.

EDUC 672 Career Counseling and Career Development (3)

Human development perspective of vocational counseling and career planning. Content, processes and strategies, information systems and career guidance services.

EDUC 673 Guidance Testing (3)

Group testing; analysis and interpretation of achievement, aptitude, interest and personality tests; synthesizing case data and educational, vocational and general counseling report-writing.

EDUC 674 Micro-Counseling (3)

Presentation, demonstration, and practice in the necessary skills to effectively conduct complete counseling interviews. Prerequisite: Permission of the instructor.

EDUC 676 Counseling Theory and Practice (3)

A survey of major counseling theories and techniques.

EDUC 609 Supervision of Special Education (1-3)

Administrative and supervisory procedures of special education programs for exceptional children.

Special Education

EDUC 651 Advanced Problems In Exceptional Children (3)

Literature and research relating to psychological, sociological and educational problems of exceptional children. Prerequisite: permission of instructor.

EDUC 652 Assessment of Exceptional Children (3)

Opportunity to develop knowledge, skills and testing strategies needed to evaluate and diagnose exceptional students. Prerequisite: EDUC 451, 452 or permission of instructor.

EDUC 656 Advanced Problems In Education of the Mentally Retarded (3)

Psychological, sociological and educational problems of the mentally retarded.

EDUC 657 Etiology of the Mentally Retarded (3)

The mentally retarded child-related problems. Diagnostic, social, psychological and educational problems manifested by the mentally retarded child.

EDUC 658 Educational Planning for Exceptional Children (3)

Organizational alternatives and methodologies employed by a school district, school or resource teacher. Prerequisite: permission of instructor.

Education

EDUC 675 Classroom Management/Regular and Exceptional Students (3)

Using the principles of behavior modification, the course in classroom management assists teachers of the regular and exceptional student to arrange the learning and behavior environment so that children will learn in the most efficient and effective manner.

EDUC 610 Environmental Factors In Early Childhood Education (3)

Analysis of theory and issues relating environmental factors in early childhood to cognitive competence, socialization and achievement.

EDUC 611 Early Childhood Education: Curricula, Procedure, and Materials (3)

Development of curricula, materials and methods for preschool and kindergarten programs systematically derived from diverse theoretical and philosophical positions.

EDUC 612 Cognitive Education of the Young Child (3)

Consideration of educational programs for young children which focus on enhancing cognitive development, with emphasis on those of Montessori and Piaget.

EDUC 613 Early Childhood Education: Theory and Research (3)

Review of several major research emphases in early childhood education and psychology from a historical and evolving perspective.

EDUC 614 Issues In Cognitive Development (3)

Analysis of theory related to development of perceptual and conceptual skills; verbal mediation and other cognitive functions.

EDUC 629 Language Development and Acquisition (3)

Theories of psycholinguistics and sociolinguistics applied to the acquisition of one or more languages in early childhood and school learning.

EDUC 643 Selected Teaching Strategies In Early Childhood Education (3)

Systematic development of programs for young children based on diverse philosophical-theoretical positions.

EDUC 618 Reading Diagnosis (3)

Testing strategies needed to evaluate and diagnose students with reading difficulties.

EDUC 619 Materials, Methods and Media In Reading (3)

Programs and other reading materials. Comparison of methods used in the teaching of reading. Prerequisite: one undergraduate reading course or permission of instructor.

EDUC 620 Advanced Problems In Reading (3)

Psychological, cognitive and methodological issues in reading. Prerequisite: EDUC 618 and 619 or permission of instructor.

Early Childhood Education

Reading

Education

Educational Foundations

EDUC 692 Practicum: Reading (3)

Supervised practical application of previously studied reading theory. Prerequisite: EDUC 618, 619 and 620.

EDUC 626 Analysis and Selection of Literature (3)

Literature in the reading program. Emphasizes recent research in literature and related trends in curriculum in the elementary and secondary school.

EDUC 644 Advanced Educational Psychology (3)

Review of theories of behavior, learning and instruction, research on human ontological development, and consideration of applications of such theory and research to classroom practices, including issues related to their measurement and evaluation.

EDUC 647 Human Growth and Development: Socialization and Personality Development (3)

Achievement motivation, aggression, discipline, sex identification, moral development, peer relations, adult-child interaction, social-class and ethnic differences. Prerequisite: Introduction to Psychology or Educational Psychology.

EDUC 680 Research Design In Education and the Social Sciences (3)

Research planning, evaluation of research, sampling, surveys, measurement, research tools, experimental and quasi-experimental designs, historical studies, data analysis and reporting research.

EDUC 681 Data Analysis (3)

Descriptive and inferential statistics as applied to education, with computer applications.

EDUC 690 Philosophy of Education (3)

Analysis of fundamental educational ideas related to teaching and administration in terms of assumptions with respect to the nature of knowledge, value, man and democracy.

Electrical Engineering



UT Permian Basin students are offered the opportunity to earn a Master of Science in Electrical Engineering from The University of Texas at El Paso. This cooperative effort of the two University of Texas component institutions allows the student to earn the degree from The University of Texas at El Paso while remaining at home in the Permian Basin area.

A typical program will consist of 24 hours of classroom instruction plus a thesis. The program content will be taught by faculty from both institutions. Each student's course of study will be directed by a committee made up of UT El Paso graduate faculty. UT Permian Basin faculty members may be appointed to the UT El Paso graduate faculty and may serve on supervising committees. The properly prepared student should be able to complete this program in two and one half calendar years, including thesis work in the summers.

Prospective students must qualify for admission to the Graduate School and the Masters of Science in Electrical Engineering program at UT El Paso. More specific details on background and entrance requirements may be obtained from the Chairman of the Electrical Engineering Department at The University of Texas at El Paso.

Master of Science

Master of Arts

The purposes of the Master of Arts program in English are at least fivefold: to train students to work with the materials of literature with scholarly competence and maturity; prepare students to teach English in schools and colleges; provide additional professional training for English teachers currently employed in elementary and secondary schools; prepare students for such nonteaching vocations as publishing, advertising, editing, civil service, and management; and offer sound professional training on the master's level for students who intend to pursue a doctorate elsewhere in literary studies, including rhetoric and composition.

Requirements for acceptance include a minimum of 24 undergraduate semester credits in English at sophomore level and above. Students may be required to complete certain undergraduate courses before regular admission to the graduate program.

Requirements for the MA in English include the following:

The successful candidate for the MA degree in English will complete at least 36 credits and pass an oral exam. Students electing the Thesis option will take 30 credits of course work and six of Thesis Research; students electing the Written Exam option will take 30 credits of course work and six of Directed Reading.

Course Work. A minimum of 30 credits must be earned in course work at the 400 or 600 level, with no more than nine at the 400 level. A maximum of 6 credits of course work may be taken in a field other than literature with prior written approval of the student's committee. Students will work out the required degree plan in consultation with their advisor. The plan will reflect the following requirements:

a. Research Methods Requirement

The first nine credits of graduate study must include ENG 640, Literary Theory and Research Methods.

b. Rhetoric and Composition Requirement

Students serving as Graduate Teaching Assistants in English are required to complete ENG 671, Rhetoric and Composition, either before being selected for this position or during the first semester of service. This requirement can be waived for students with extensive teaching experience or a similar course on their record.

c. Breadth Requirement

Each student shall complete a minimum of nine credits in British literature and nine credits in American literature.

Thesis Research/Directed Reading. A total of six credits will be devoted either to ENG 699: Thesis Research, for students electing to complete a thesis, or to ENG 690: Directed Reading, for students electing to sit for a written examination.

English

Thesis. At the MA level, the thesis should constitute a contribution to the scholarly discourse on a well-defined topic. The thesis will demonstrate the writer's grasp of the history of that discourse and the major voices within it. The thesis will be a lengthy paper (typically 50-70 pages of text) combining original analysis with thorough research. The thesis is not a doctoral dissertation or a book.

Written Exam. The exam will cover three areas, to be agreed on by the examining committee and the candidate. These areas can be relatively narrow (e.g., the Victorian novel) or relatively broad (e.g. literature by American ethnic groups, colonial to 1900; rhetoric and composition); however, they must include both British and American, some post-1800 British or post-1865 American literature, and some pre-1800 British or pre-1865 American literature. The exam will be written during a six-hour period, which can be divided as the examining committee and the candidate deem appropriate.1

Oral Examination. The candidate for the MA degree in English must also perform successfully in an oral examination. The examiners will be the members of the candidate's committee and a representative of the Graduate Faculty. For students writing a thesis, the examination will include, but not be limited to, a defense of the thesis. For students doing directed reading, the oral examination will cover the entire range of course work.

ENG 601 American Literature to 1800 (3)

Bradford, Bradstreet, Cotton Mather, Taylor, Edwards, Franklin.

ENG 602 American Romanticism (3)

The American and European roots, and philosophical, literary, and social tenets, of American Romanticism as reflected in the works of recognized romantics (Poe, the Transcendentalists, Melville) as well as of minority figures.

ENG 603 American Realism (3)

The American and European roots, and philosophical, literary, and social tenets, of American Realism as reflected in the works of recognized realists (Howells, Wharton) and naturalists (Dreiser), as well as of minority figures.

ENG 604 American Literature, 1900-1945 (3)

Development of fiction and poetry primarily between WWI and WWII, with emphasis on the Modernist Movement.

ENG 605 American Literature, 1945 to the Present (3)

The splintering of Modernism in the context of a larger, cultural crisis, with emphasis on the diversity of response to this crisis rather than on individual figures.

ENG 621 British Literature to 1660 (3)

Chaucer, English Renaissance humanists, the Elizabethan lyric, Spenser, Shakespeare, Jacobean and Caroline drama, classical lyrics, the metaphysicals.

ENG 622 British Literature, 1600 -1800 (3)

Emphasis on either the earlier or the later part of the period. Major figures include; Donne, Milton, Dryden, Pope, Swift, and Johnson. Major genres and modes: lyric poetry, the

Course Listing

English

epic, comedy, tragedy, verse satire, the novel, periodical essays, emphasis on modern critical approaches and historical/cultural backgrounds.

ENG 623 British Romanticism (3)

Major Romantic writers (such as Wordsworth, Byron, Blake, Keats, Southey) in their historical, cultural, and philosophical contexts.

ENG 624 British Literature, 19th Century (3)

Major Victorian and Edwardian writers and their historical, cultural, and philosophical contexts.

ENG 625 British Literature, 1900 to the Present (3)

Emphasis on fiction, drama, or poetry; major figures include Conrad, Woolf, Joyce, Shaw, Synge, Lawrence, Yeats, O'Casey, Auden.

ENG 640 Literary Theory and Research Methods (3)

The course covers bibliographical theory and methodology, the use of library resources for researching graduate and scholarly papers, and theoretical approaches to literary criticism (such as New Criticism, Marxist Criticism, Structuralism, Deconstruction, Feminist Criticism, Rhetorical Criticism). Must be taken before completion of the first nine hours of graduate study.

ENG 643 Literature of the Southwest (3)

Contribution of the Southwest to the American literary tradition. General prose works and representative poetry and fiction.

ENG 659 Special Studies In Literature (3)

Selected works of several authors organized according to historical era, genre or theme. Content varies.

ENG 661 Literary Criticism (3)

Theories and practice of criticism; major attention given to modern critical approaches.

ENG 669 Studies In a Major Author (3)

Works of a major American or British author.

ENG 671 Rhetoric and Composition (3)

The history and practice of rhetoric; current theories of writing from the perspectives of cognitive psychology, linguistics, sociology, and others. Involves research and practical application of theories of composition and rhetoric. This course is required for students serving as Graduate Teaching Assistants in English.

ENG 690 Directed Reading (3)

A required reading list and faculty guidance are provided for students electing the comprehensive examination rather than the thesis.

ENG 699 Thesis Research

Students electing the thesis option will work under the supervision of a major advisor. A maximum of six credits of ENG 699 may be counted toward the MA.

Geology

The program for the Master of Science in Geology requires a minimum of 24 semester credit hours of graduate-level course work in geology and supporting or ancillary fields, and six semester credit hours of research that result in a master's thesis. A satisfactory score, as determined by the Department of Geology, must be obtained in a qualifying examination such as the advanced geology examination of the Graduate Record Examination, or an equivalent examination given by the Department of Geology.

When students enroll in the program, they will be assigned an advisor from the Department of Geology, who will work with them to develop a preliminary program of study and thesis research. Upon satisfactory completion of at least nine semester credit hours of course work and obtaining a satisfactory score on the qualifying examination, a student will be admitted to candidacy for the master's degree. At that time, a graduate committee will be appointed, ordinarily with the advisor as chairperson, in accord with current regulations for the conduct of graduate education. After the committee reviews the student's program and proposed thesis research, it will approve a degree plan and thesis topic.

Coursework for the MS in Geology shall include GEOL 605 and 655 and at least one advanced course in petrology and stratigraphy, along with a combination of courses that supports the student's main area of interest and thesis research. Students are expected to have completed a standard undergraduate curriculum that includes the courses required for an undergraduate degree in geology at UT Permian Basin, as set forth in this catalog. Students who lack any of these courses are required to complete them in addition to the minimum of 24 semester credit hours of graduate-level course work needed for the degree.

Candidates for the Master of Science degree in Geology must complete an acceptable thesis prepared according to the guidelines used by UT Permian Basin, and written in standard geologic style as outlined in the U.S. Geological Survey's "Suggestions to Authors" (7th edition). The thesis must be defended in an oral examination.

GEOL 605 Advanced Structural Geology and Tectonics (3)

Concepts and principles of structural geology and tectonics, with emphasis on physical factors responsible for the deformation of the earth's crust, and the results of the deformation through geologic time.

GEOL 607 Advanced Stratigraphy (3)

Concepts and principles of naming and correlating stratigraphic units with emphasis on major elements of local, regional, and North-American stratigraphy.

GEOL 611 Carbonate Depositional Systems (3)

Study of the origin, textures, distribution patterns, and alteration of recent and ancient carbonate sediments. Emphasis on the chemistry of formation and diagenesis of carbonates.

* All courses have the following prerequisites: 1) graduate standing and 2) permission of the instructor.

Master of Science

Course Listing

Geology

GEOL 614 Clastic Depositional Systems (3)

Study of depositional processes, physiographic and environmental characteristics, and facies types and relationships of fluvial, deltaic, barrier-barstrand-plain, lagoon-bay-estuary, shelf-abyssal, eolian, lacustrine, and alluvial fan depositional systems, and their application to the analysis of past stratigraphic systems.

GEOL 627 Exploration Geophysics I - Seismic Principles (3)

Definitions of elastic constants; types of seismic waves; seismic recorders; reflection and refraction. Electronic data processing. Special seismic procedures.

GEOL 628 Exploration Geophysics II - Seismic Stratigraphy (3)

Application of seismic data in stratigraphic interpretation; seismic facies analysis; and hydrocarbon indicators.

GEOL 629 Exploration Geophysics III - Gravity and Magnetic Methods (3)

Gravity and magnetic prospecting methods as applied to geophysical investigations of the crust. Physical principles; instrumentation; field techniques and data reduction. Geological interpretation and application of these data to the exploration for mineral resources.

GEOL 646 Advanced Groundwater Hydrology (3)

Principles of occurrence and movement of water beneath the earth's surface, and influence of various geologic situations upon its behavior. Factors applying to estimates of supply. Engineering aspects of ground water.

GEOL 647 Advanced Subsurface Methods (3)

Systematic and accurate acquisition, evaluation, and interpretation of subsurface data as applied in the search for oil and mineral deposits.

GEOL 648 Advanced Petroleum Geology (3)

Advanced studies in petroleum exploration. Porosity and permeability as related to lithology and hydrodynamics of fluid flow. Stratigraphic and structural traps; regional trends and basin analysis; the origin of oil; log interpretation; and geophysical exploration.

GEOL 649 Numerical Groundwater Modeling (3)

Theoretical aspects of finite-difference and finite-element techniques to solve steady-state, transient-flow, and advective-dispersive transport problems. Groundwater reservoirs modeled using industry standard numerical-modeling software.

GEOL 650 Contaminant Hydrogeology (3)

Geological and geochemical aspects of contaminant hydrogeology. Topics include groundwater geochemistry, types and sources of contaminants, aquifer analyses, sampling and logging techniques, regulatory frameworks, remediation, and cleanup.

* All courses have the following prerequisites: 1) graduate standing and 2) permission of the instructor.

Geology

GEOL 651 Geophysical Techniques in Groundwater Investigations (3)

Surface geophysical techniques used in site investigation to map waste migration in shallow aquifers. Emphasis is given to DC resistivity, induced polarization, ground-penetrating radar, electromagnetism, magnetometry, metal detection, and seismic methods.

GEOL 652 Environmental Engineering Geology (3)

Applications of engineering geology to construction and reclamation projects in environmentally disturbed areas. Surface and groundwater problems are emphasized.

GEOL 655 Thermodynamics of Geologic Processes (3)

Thermodynamics applied to problems of igneous, sedimentary, and metamorphic petrology.

GEOL 658 Advanced Geochemistry (3)

Advanced studies of the geochemistry of igneous, sedimentary, and metamorphic rocks, as well as the distribution of trace elements in diverse environments.

* All courses have the following prerequisites: 1) graduate standing and 2) permission of the instructor.

History

Master of Arts

The Master of Arts program in History accommodates a wide range of student aspirations, both professional and personal. With strong emphasis on the literature of history, research techniques, and writing skills, graduate study in history will benefit teachers, museum and archives personnel, prospective candidates for PhD degrees in history, and college graduates wishing to pursue the subject for intellectual enrichment.

Within the requirements for the Master of Arts degree in History, considerable individualization of programs is possible. The particular strengths of the curriculum are in Western America, Twentieth Century America, Foreign Relations, American Business History, and Latin American History.

Candidates for the Master of Arts degree in History must complete 36 credits of graduate work. Candidates who have not completed at least 18 undergraduate semester credits in history will be required to enroll in additional courses to complete their preparation for graduate work.

Students may specialize in either United States or Latin American history. They may choose between the thesis option and the non-thesis option, though the thesis option is limited to United States history.

Students who elect to write a thesis will complete: (1) 21 credit hours in United States history, including at least two reading courses and one research course at the 600-level. (2) At least six credits in Latin American history. (3) Three additional credits in history or a related discipline. (4) Six hours upon acceptance of a thesis.

Students who elect the non-thesis option in United States history will complete: (1) 21 credit hours in United States history, including at least two reading and two research courses at the 600-level. (2) At least 6 credits in Latin American history. (3) Three to nine additional hours in history. (4) A maximum of six credits in a related field.

Students who elect the non-thesis option in Latin American history will complete: (1) At least 12 credit hours in Latin American history, including at least one reading and one research course at the 600-level. (2) At least 15 additional hours in history, including at least one reading and one research course at the 600-level. (3) A maximum of nine credits in related fields; Spanish is recommended.

MA degree candidates must pass an oral examination. There is no general foreign language requirement for the master's degree in history. However, when mastery of a language is requisite to purposeful study, the demonstration of language skills may be required. For example, candidates in Latin American history must demonstrate the ability to comprehend written Spanish with reasonable accuracy and speed.

* Six hours of non-United States history may be considered in the context of individual graduate study programs.

History

HIST 610 Ancient Near East (3)

Historical literature relating to major developments and problems in some aspects of the ancient Near East.

HIST 611 Modern Mexico (3)

Historical literature relating to major developments and problems of modern Mexico.

HIST 614 Latin America (3)

Historical literature relating to major developments and problems of Latin America, including modern Mexico, modern South America and colonial Latin America.

HIST 641 Early America (3)

Historical literature on colonial and revolutionary periods of American history.

HIST 647 Twentieth Century America (3)

Examination of historical literature on special topics covering major developments and problems in recent United States history.

HIST 654 Civil War and Reconstruction (3)

Historical literature relating to major developments and problems in some aspects of the American Civil War and Reconstruction period.

HIST 655 The American South (3)

Historical literature relating to major developments and problems in some aspect of the American South.

HIST 656 Western America (3)

Historical literature relating to major developments and problems in Western history.

HIST 661 American Foreign Relations (3)

Examination of historical literature on special topics which cover major developments and problems in United States foreign relations.

HIST 663 American Military Experience (3)

Historical literature on the development of the military services and the uses of military force in United States History.

HIST 668 American Business History (3)

Study of major changes in American business during the twentieth century through analysis of specific industries and case studies.

HIST 678 Research In American History (3)

Methodology and tools for historical research and directed research on special topics in American history.

HIST 679 Studies in American History (3) (title may vary)

Reading, research and discussion on selected topics in American history.

Course Listing

Life Science

Master of Science

The Master of Science program in Life Science includes microbiology and plant and animal science and emphasizes a unified view of life science. The program may be used by those intending a career in some area of life science and by those desiring a stronger background for teaching. In consultation with faculty, students will prepare a plan of study. The plan of study includes selected courses outside the major to support the program and meet special needs and interests of students.

To be accepted to the program, students must have 16 credits of biology, eight credits of chemistry and three credits of mathematics at the undergraduate level. Depending upon the student's undergraduate program and career goals, the advisory committee may recommend completion of certain undergraduate courses without credit toward the master's degree.

Generally, students will be asked to complete one year each of organic chemistry, calculus, and physics if they have not done so prior to admission into the program.

Approximately 15-18 credits of the minimum 30 credits required for the Master of Science degree will be in life science and approximately 9-12 credits will be in supporting areas of study. The remaining 3-6 credits will be in independent study. The thesis must be an original work and must be defended orally before the advisory committee and other appropriate faculty.

Individualized instruction is used extensively in each student's program. This feature should greatly aid students whose commitments do not always permit regular class attendance. Laboratory facilities are ideally suited for individualized instruction, and the faculty of Life Science are committed to such instruction whenever appropriate.

Course Listing

LFSC 601 Studies In Virology (3) **SP**
Analysis and interpretation of modern studies of viral structure, replication and pathogenesis. Prerequisites: LFSC 420, 440 or equivalent. Offered alternate years.

LFSC 623 Immunology (3) **SP**
Analysis and interpretations of studies of mammalian mechanisms of defense against infectious diseases and cancer. Prerequisites: LFSC 300, 420, 440, or equivalent. Offered alternate years.

LFSC 630 Plant Physiology and Biochemistry (3)
Techniques, principles and analysis of problems in plant biochemistry and physiology. Prerequisite: LFSC 420 or equivalent.

LFSC 632 Plant Taxonomy (3)
Advanced studies and collection of a specific taxonomic group to be determined in consultation with the student. Prerequisite: LFSC 330 and 331 or equivalent.

Life Science

LFSC 640 Molecular Genetics (3) FA

Studies of gene transfer, mapping, expression and control mechanisms. Prerequisite: LFSC 300, 301, and 420 or equivalent. Offered alternate years.

LFSC 644 Experimental Molecular Genetics (3) FA

Laboratory experience in mutagenesis, transformation, transduction, DNA isolation and in vitro recombinant DNA procedures. A research problem will be identified and investigated using the DNA methodologies. One lecture hour and six laboratory hours per week. Prerequisite: LFSC 640 or LFSC 440. Offered alternate years.

LFSC 650 Advances In Animal Physiology (3)

Analysis and interpretation of studies in the laboratory and literature. Prerequisites: LFSC 420 and 452 or equivalent.

LFSC 656 Neuroscience (3)

An analysis of the physiological bases of behavior, beginning with a study of the functioning of excitable cells and ending with a study of the neuroanatomy of the brain. Prerequisites: LFSC 452 and permission of the instructor.

LFSC 662 Advanced Microtechnique (3)

Theoretical and practical aspects of the preparation of cellular tissues for light and electron microscopy. Prerequisite: permission of instructor.

Petroleum Engineering

Master of Science

UT Permian Basin students are also offered the opportunity to earn a Master of Science in Petroleum Engineering degree from The University of Texas at Austin. This cooperative effort of the two University of Texas component institutions allows the student to earn the petroleum engineering degree from UT Austin while remaining at home in the Permian Basin area.

A typical program will consist of 33 hours of classroom instruction plus a report. The program content will be taught by faculty from both institutions. Each student's course of study will be directed by a committee made up of UT Austin graduate faculty. The properly prepared student should be able to complete this program in two and one half calendar years.

The thesis option is not recommended for students in this program. Candidate background requires adequate preparation in undergraduate petroleum engineering course work. Prospective students must qualify for admission to the UT Austin Graduate School.

More specific details on entrance requirements may be obtained from the Chairman, Petroleum Engineering Department, UT Austin.

Course Listing

<p>UT Permian Basin (UTPB) courses</p> <p>UT Austin (UT) courses</p> <p>UT Permian Basin (UTPB) courses</p> <p>UT Austin (UT) courses</p> <p>UT Permian Basin (UTPB) courses</p> <p>UT Austin (UT) courses</p>	<p>UT Permian Basin (UTPB) courses</p> <p>UT Austin (UT) courses</p> <p>UT Permian Basin (UTPB) courses</p> <p>UT Austin (UT) courses</p> <p>UT Permian Basin (UTPB) courses</p> <p>UT Austin (UT) courses</p>
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Physical Education

The Master of Arts degree in Physical Education accommodates a wide range of student interests and aspirations. The program allows students to focus on one of three interest areas within the field of physical education: (1) exercise physiology, (2) psychology of exercise and sport, or (3) teaching, coaching, and administration. Working with their faculty advisors, students are encouraged to design programs which meet their professional needs and interests.

Typically, students desiring to pursue a master's degree in Physical Education would possess a bachelor's degree with a major or minor in Physical Education or Kinesiology. Individuals who do not hold such a degree may be required to complete leveling requirements prior to enrolling in certain physical education graduate courses. Determination of these leveling requirements will be made on an individual basis by the student's advisor.

All students pursuing the Master of Arts degree in Physical Education are required to complete the following core of 12 semester credit hours:

PHED 601 Strategies for Inquiry in Physical Education	(3)
PHED 660 Advanced Exercise Physiology	(3)
PHED 620 Psycho-Social Analysis of Sport	(3)
or	
PHED 623 Advanced Psychology of Exercise	(3)
MATH 601 Statistics for Researchers	(3)

In addition, a student will select one of the following three areas of emphasis and take at least nine semester hours of course work from that area. Additional course work may be drawn from any area.

I. Exercise Physiology -

PHED 660 Advanced Exercise Physiology	(3)
PHED 661 Exercise Physiology Laboratory Methods-Procedures	(3)
PHED 663 Methods and Procedures for Coronary Heart Disease Risk Detection and Reduction	(3)
PHED 665 Nutrition and Athletic Performance	(3)

II. Psychology of Exercise and Sport -

PHED 620 Psycho-Social Analysis of Sport and Physical Activity	(3)
PHED 621 Analysis of Motor Skills Acquisition	(3)
PHED 622 Psychology of Coaching	(3)
PHED 623 Advanced Psychology of Exercise	(3)

III. Teaching, Coaching, and Administration -

PHED 680 Analysis of Teaching Behavior	(3)
PHED 682 Administration of Physical Education and Athletics	(3)
PHED 622 Psychology of Coaching	(3)

Master of Arts

Petroleum Physical Education

Students may select a thesis option or a non-thesis (project) option. Students who select the thesis option will complete a minimum of 30 semester credit hours of course work plus a 6 semester credit hour thesis. Those who select the non-thesis option will complete a minimum of 33 semester credit hours of course work plus a three semester credit hour research project. Both options require completion of the core requirements and at least nine semester credit hours in one of the three emphasis areas.

The following is a listing of graduate courses in physical education. Additional courses are sometimes offered as special topics courses. These are listed in the class schedule for the particular semester. Although students may not include leveling course work in their graduate degree program, they may include a maximum of six semester credit hours of 400-level courses with permission of their advisor.

Course Listing

PHED 601 Strategies for Inquiry In Physical Education (3)

Research techniques and inferential statistical procedures appropriate to the research process in physical education. Prerequisite: MATH 601 or equivalent.

PHED 620 Psychosocial Analysis of Sport and Physical Activity (3)

Concepts and research methodology in social psychological study of sport and physical activity. Selected theories of sport involvement applied to sport and physical activity analysis.

PHED 621 Analysis of Motor Skills Acquisition (3)

Concepts and research methodology in human motor performances. Selected learning theories are used in analyzing both skill acquisition and instructional processes.

PHED 622 Psychology of Coaching (3)

Identification and analysis of psychological techniques and strategies which may be used by the coach/athlete to improve performance and increase enjoyment of participation in physical activity.

PHED 623 Advanced Psychology of Exercise (3)

Theoretical models and research related to the determinates of exercise initiation and adherence are studied. Research studies investigating the effects of exercise on mental health are also reviewed. Additional topics selected by students are covered.

PHED 660 Advanced Exercise Physiology (3)

Functioning of the human body and responses and adaptations of the different systems as a result of physical exercise. Topics include muscle physiology, the cardiorespiratory system, neural control of human movement, nutrition, athletic performance, physiological applications of physical training and preventive health care. Laboratory experiences included.

Physical Education

PHED 661 Exercise Physiology Laboratory Methods-Procedures (3)

Practical applications of the different principles that govern the responses and adaptations of the human body to physical exercise. Laboratory equipment used to collect data and analyze results.

PHED 663 Methods and Procedures for Coronary Heart Disease Risk Detection and Reduction (3)

A study of the leading risk factors which contribute to the development of coronary artery heart disease. Laboratory methods and procedures used in assessing the different risk factors including 12-lead, EKG-graded exercise stress testing. Implementation of programs aimed at risk reduction and prevention of heart disease.

PHED 665 Nutrition and Athletic Performance (3)

An in-depth examination of the effects of nutrition on athletic performance. Topics include substrate utilization, vitamin and mineral supplementation, ergogenic aids, and fluid replacement. Prerequisite: Human Physiology.

PHED 680 Analysis of Teaching and Coaching Behavior (3)

Observation, description, coding and analysis of teaching behavior in physical education and coaching.

PHED 682 Administration of Physical Education and Athletics (3)

An examination of administrative theories and practices in physical education, intramural and athletic programs.

Psychology

Master of Arts

The Master of Arts program in Psychology offers advanced training in clinical psychology, counseling skills, human development, program evaluation, and research methodology. This program is designed to prepare students to work in mental health centers, juvenile detention camps, drug abuse centers, child service agencies, specialized school services, residential treatment facilities, and family counseling agencies. In addition, the program is designed to fulfill the academic requirements to become eligible to take the State examinations for certification as a Psychological Associate (45 hours) or Licensed Professional Counselor (51 hours). Students may also use this degree to prepare for a PhD program at another university. The MA in Psychology is a minimum 45-hour program (51 hours if one desires licensure as a Professional Counselor) with specializations in clinical psychology and applied human development. The clinical psychology specialization is aimed at training students in the assessment and treatment of emotional disorders, self-injurious behaviors, and intellectual deficits. The applied human development specialization is aimed at training students in theory, research and problem solving methods to optimize individual competence and behavior within the family, peer group, school and community. Students desiring to become Psychological Associates may choose to concentrate in either of the two specialization areas, whereas students desiring to become Licensed Professional Counselors should specialize in clinical psychology. All students take nine hours of "foundation" courses, 24 hours in one of the areas of specialization, and 12-18 hours of designated elective courses relevant to the student's needs and certification/licensure objectives:

A. Required "Foundation" Courses (9 hours):

- PSYC 602, Research Methodology
- PSYC 604, Advanced Statistics (undergraduate statistics is prerequisite)
- PSYC 624, Ethics and Professional Issues

B. Areas of Concentration:

1. Clinical Psychology Concentration (24 hours):

- PSYC 605 Behavior Therapy
- PSYC 621 Psychopathology
- PSYC 622 Current Psychotherapies
- PSYC 650 Intellectual Assessment (PSYC 601 prerequisite and permission of instructor)
- PSYC 651 Personality Assessment (PSYC 601 prerequisite and permission of instructor)
- PSYC 692 Practicum (in Clinical/Counseling Psychology, six hours)
- PSYC 699 Master's Thesis

Psychology

2. Applied Human Development Concentration (24 hours):

PSYC 630	Cross Cultural Psychology
PSYC 641	Child Psychology I: Cognitive Processes
PSYC 642	Child Psychology II: Personality and Social Development
PSYC 643	Family Dynamics
PSYC 650	Intellectual Assessment
PSYC 692	Practicum (in Applied Human Development, 6 hours)
PSYC 699	Master's Thesis

C. Elective Psychology Courses (12-18 hours, selected with consultation)

All students must complete 450 clock hours in a practicum setting selected to correspond to the area of specialization and certification/licensure objectives. In addition, each student must complete a master's thesis which consists of research in the application of principles and theories of behavior to some problem of interest. Problems are investigated under the supervision and direction of the student's graduate committee comprised of faculty, with the student's advisor ordinarily serving as chairperson. The student will later defend the thesis before the committee.

Four upper level (12 hours minimum) undergraduate psychology courses are required for admission to the graduate program in psychology. These four courses must include one course in statistics (i.e., PSYC 301) and one course in experimental psychology or research methods in psychology (i.e., PSYC 304) and one course in biological foundations of behavior (i.e. PSYC 404). Students with deficiencies in these prerequisites must take the appropriate courses and earn a minimum grade of B during the first two semesters the student is enrolled provisionally in the graduate program. Students may enroll in the necessary undergraduate courses (PSYC 301, Statistics; and/or PSYC 304, Research Methodology; and/or PSYC 404, Physiological) and in selected graduate courses concurrently. No undergraduate credits will be counted toward the minimum 45 graduate hours needed for the degree without prior approval of the graduate advisor. In addition, applicants must provide three letters of reference and must have taken the Graduate Record Examination general aptitude test (GRE) and meet at least the minimum university requirements. Note: Meeting the minimum requirements does not guarantee admission to the program. Admission deadlines are July 15 for fall semester and November 15 for spring semester.

PSYC 601 Tests and Measurement (3)

Survey of major personality, intelligence and achievement tests with emphasis on their construction, reliability and validity. Prerequisite: Introductory Statistics.

**Admission
and Prerequisites**

Course Listing

Psychology

PSYC 602 Research Methodology (3)

Foundations of research planning, methodology, analytic techniques, interpretation and reporting of psychological research. Prerequisite: Introductory Statistics. (Same as EDUC 680)

PSYC 604 Advanced Statistics (3)

Application of statistical methods in the design and analysis of psychological research. Topics include analysis of variance models, correlation and regression, and multivariate techniques. Prerequisite: Introductory Statistics.

PSYC 605 Behavior Therapy (3)

A survey of learning principles and methods in the modification of human problem behaviors.

PSYC 612 Group Psychotherapy (3)

A survey of theories of group therapy including the application and evaluation of basic group techniques. (Same as EDUC 671)

PSYC 621 Psychopathology (3)

A survey of the manifestations of abnormal behavior and psychological processes. Detailed analysis of the clinical and experimental literature concerning psychological and psychiatric disorders and their etiology.

PSYC 622 Current Psychotherapies (3)

A critical analysis of various psychotherapeutic systems. (Same as EDUC 676)

PSYC 623 Individual Psychotherapy Skills (3)

A survey of the major theories and methods of psychotherapy including experience in the application and evaluation of basic techniques. Prerequisite: permission of the instructor. (Same as EDUC 674)

PSYC 624 Ethics and Professional Issues (3)

Seminar concerning the field of psychology as it relates to current ethical, social, legal and medical issues. Emphasis is placed on the role of the psychologist in psychotherapeutic relationships and in applied settings.

PSYC 630 Cross-Cultural Psychology (3)

An overview of cross-cultural studies from developmental, social cognitive, personality, and perceptual psychology. Topics covered include child-rearing acculturation, work, communication, health, and ethnic and minority groups. The course will emphasize how nature and nurture interact to produce unique behavior for a given culture.

Special Courses

A limited number of graduate courses are available in disciplines that do not offer a master's degree. These courses provide support for other degree programs. The courses are taught on demand and are usually in a self-paced and individualized format.

Chemistry

CHEM 620 Topics In Analytical Chemistry (3)

Topics vary but may include different types of analytical instruments and techniques. May be taken for credit more than once.

CHEM 630 Research Techniques (1-4)

Advanced techniques taught on a tutorial basis. May be taken for credit more than once.

Computer Science

CPSC 600 Computers In Management and Science (3)

Fundamental use and evaluation of word processors, spread sheets and data base programs with an introduction to programming microprocessors in BASIC.

CPSC 610 Computer Architecture (3)

Survey of computer architectures, concentrating on high performance systems. Topics include pipelining, vector processing, massive parallelism and networks. Prerequisites: CPSC 310, CPSC 320.

CPSC 630 Software Systems (3)

The management of software systems. Addresses problems in computer design and configuration testing, error recovery and security testing. Prerequisites: CPSC 310, CPSC 320.

Mathematics

MATH 601 Statistics for Researchers (3)

Statistical concepts emphasizing simple and multiple regression, hypothesis testing and analysis of variance. Prerequisite: one year of college level mathematics.

MATH 602 Multivariate Methods (3)

Regression and correlation, analysis of variance for fixed and random factors, and methods for identifying factor levels that do not satisfy the hypothesis. Prerequisite: MATH 601.

Mass Communications

MCOM 600 Advanced Public Affairs Reporting (3)

Investigative and interpretive reporting techniques covering federal, state, and local governments and paragovernmental institutions.

Sociology

SOC 627 Advanced Sociological Theory (3)

A discussion of structure of sociological theory using a number of classical and modern sociological writings as vehicles for the illustration of theoretical problems. The course provides a systematic classification of the debates in theoretical sociology and

Special Courses

compares and contrasts the assumptions, issues and problems underlying competing theories.

SOC 632 Advanced Seminar in the Sociology of Deviance (3)

An overview of the major theoretical perspectives and related issues in the study of social deviance, to include the study of societal definitions and reactions to deviance as they relate to ethnicity, social class and legal/social institutions.

SOC 679A Sociology of Law (3)

This course examines the origins and development of law, the problems caused by criminalization and decriminalization and possible alternatives to the use of law to settle disputes.

SOC 679B Sociology of Social Control (3)

This course examines the relationships between social structure and social character. The course covers classical and contemporary theories of socialization with special emphasis on the adequacy of the agencies and institutions of social control and the control of deviant behavior.

SOC 679C Police in American Society (3)

The role of police and policing in American society is examined. General problems and practices relating to the police role are discussed: community policing and police work with special populations such as the mentally ill, drug abusers and street gangs. Particular emphasis is on police community relations and community policing.

SOC 679D Issues in Minority Relations (3)

This course examines the principles and processes which shape the patterns of relations between racial and ethnic groups in society. Race and ethnic intergroup relations are explored in both the United States and other multiethnic societies around the world. Topics of discussion include: attitudes and beliefs of the individual concerning intergroup relations; concepts of prejudice and institutional discrimination; labeling theory as a means of understanding race and ethnic relations; and models of intergroup relations that emphasize either assimilation, cultural pluralism or amalgamation.

SPAN 633 The Contemporary Spanish-American Novel in Translation (3)

A study of the most important Spanish-American novelists. Five or six novels are usually read in this course.

Spanish

Steven J. Alcina, Associate Professor of Kinesiology.
BA, University of California at Davis; MA, Idaho State University; EdD (1988), University of Northern Colorado.

Donald M. Allen, Professor and Chair of Life Science.
BA, MA, PhD (1970), University of Oregon.

Terryl J. Anderson, Professor of Education.
BS, University of Colorado; MBA, EdD (1967), Indiana University.

Sophia Andres, Assistant Professor of English.
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David W. Barnett, Associate Professor of Kinesiology.
BS, University of the Pacific, School of Pharmacy; PhD (1983), Brigham Young University.

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BS, University of Northern Colorado; MBA (1985), University of Texas-Permian Basin.

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Thomas L. Dynneson, Professor of Education.
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Daniel J. Flaherty, Professor and Chair of Accountancy and Information Systems.
BBA, Texas A&M University; MBA, Georgia Southern College; PhD (1973), Texas A&M University.

Julia D. Flaherty, Assistant Professor of Political Science.
BA, University of Texas-Permian Basin; MA, PhD (1982), Northern Arizona University.

Raymond R. Fletcher, Assistant Professor of Mathematics.
BA, University of Maine at Orono; MS & MA, State University of New York (SUNY)-New Paltz; PhD(1991), Emory University.

Virgil G. Fredenberg, Assistant Professor of Education.
BS, MS, EdD (1993), Montana State University.

Faculty



H. Warren Gardner, Associate Professor of History and Vice President for Academic Affairs.

BA, Sterling College; MA, Emporia State University; PhD (1969), University of Kansas.

Corbett Gauden, Associate Professor of Marketing and Director of the Division of Business Administration.

BS, Southeastern Louisiana University; MBA, Northeast Louisiana University; PhD (1980), Louisiana State University.

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BA, MA, PhD (1986), University of California-San Diego.

Waylon D. Griffin, Professor of Management.

BS, Florida State University; MBA, PhD (1972), University of Texas-Austin.

Douglas F. Hale, Professor of Mathematics and Computer Science and Director of the Division of Natural Sciences

BS, MS, PhD (1969), Ohio State University.

Lois S. Hale, Associate Professor and Chair of Kinesiology.

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Mark Hardt, Assistant Professor of Sociology.

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Paul E. Hodges, Professor of Economics.

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BS, University of Wisconsin-Platteville; MS, Northern Illinois University; PhD (1973), University of Iowa.

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BA, MA, University of Texas El Paso; PhD (1983), Sam Houston State University.

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BA, Southern California; MA, PhD (1991), University of Kansas.

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Don E. Miller, Associate Professor of Education.
BA, Roosevelt University; PhD (1973), Syracuse University.

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Faculty



Cherry Owen, Lecturer in Mathematics and Computer Science.
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BS, MS, The Pennsylvania State University-University Park; PhD (1971), The University of Texas-Austin.

R. Douglas Spence, Assistant Professor of Life Science.
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BBA, University of Texas-Arlington; MBA, Southern Methodist University; PhD, (1972), North Texas State University.

Charles Wakefield, Lecturer in Mathematics.
BS, University of Texas-Austin; MS, University of Washington; PhD (1969), University of Texas-Austin.

Sarah Shawn Watson, Assistant Professor of English.
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William A. Watts, Professor of Finance.
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BA, MA, George Mason University; PhD (1991), University of Wisconsin-Madison.

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BS, University of Houston; PhD (1974), Purdue University.

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Part Time Faculty



Joel Greenspoon, Professor of Psychology, Emeritus, 1973-1987.

Edwin Kurtz, Professor of Life Science, Emeritus, 1972-1989.

Stanley Marcus, Professor of Art, Emeritus, 1973-1992.

James A. Nickel, Professor of Mathematics and Computer Science, Emeritus, 1972-1993.

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Bruce Carter, Lecturer in Sociology.
BA, North Texas State University; MSW (1983), Our Lady of the Lake University.

Bob S. Lewis, Lecturer in Mass Communications.
BA, Baylor University; MA (1966), University of Missouri.

Linda George, Lecturer in Sociology.
BA, MSW (1971), University of Oklahoma.

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Part Time Faculty

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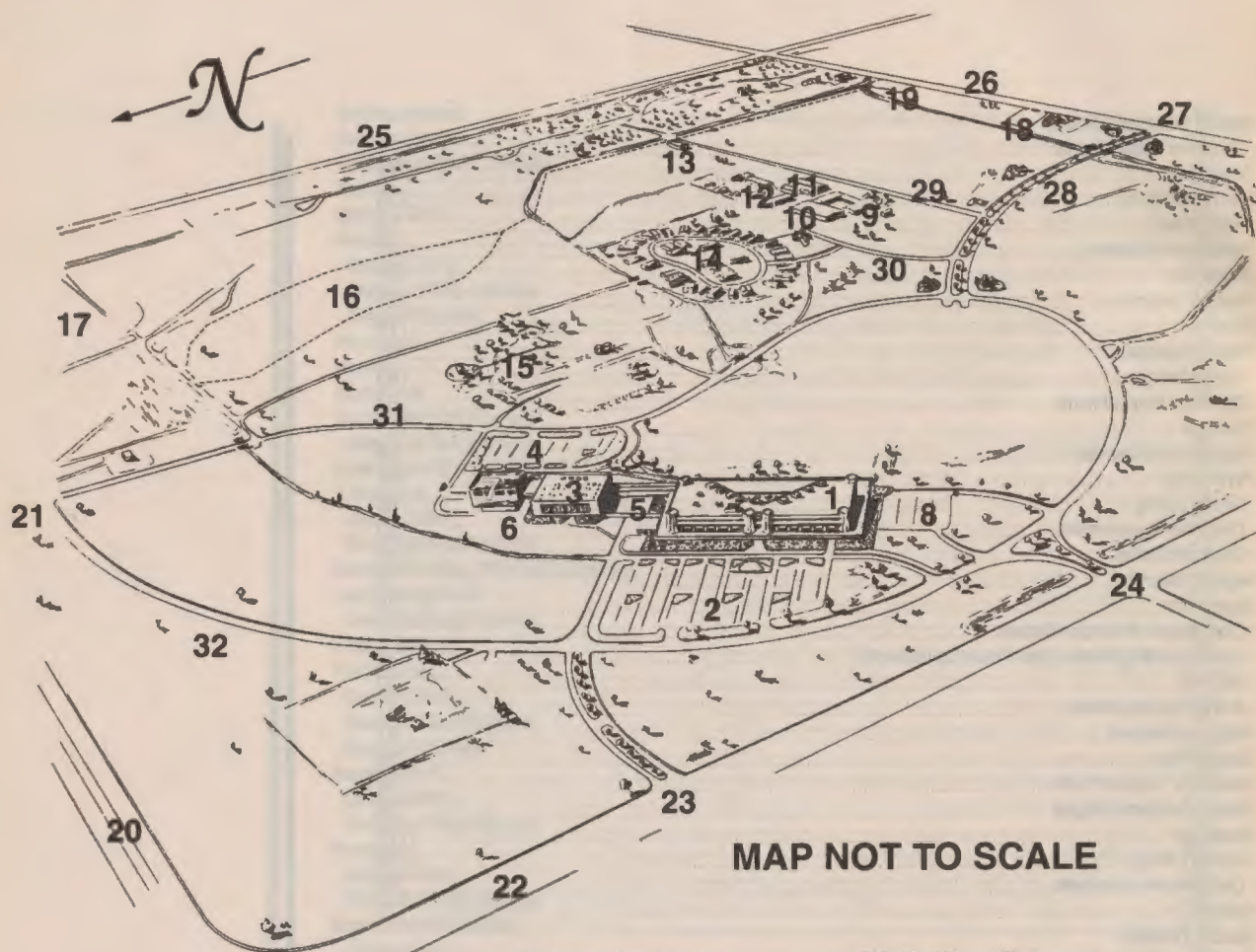
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M_{AP}

Map



- | | |
|--------------------------|--|
| 1. Mesa Building | 17. Batting Cages |
| 2. Main Parking Lot | 18. Art Institute |
| 3. Gym | 19. Fire Department |
| 4. Gym Parking Lot | 20. 42nd Street |
| 5. Tennis Courts | 21. 42nd St. Entrance |
| 6. Swimming Pool | 22. JBS Parkway Blvd. |
| 7. Thermonetics Building | 23. President's Entrance |
| 8. Devonian Parking Lot | 24. Maple St. Entrance |
| 9. Founders Building | 25. Loop 338 |
| 10. Chemistry Labs | 26. University Blvd. |
| 11. Art Dept. | 27. University Blvd. Entrance |
| 12. Physical Plant | 28. Main Entrance |
| 13. Petex Building | 29. South Road |
| 14. Student Housing | 30. Founder's & Student Housing Entrance |
| 15. Duckpond | 31. Central Loop |
| 16. Running Trail | 32. West Loop |



U.T. Permian Basin
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Odessa, Texas 79762-0001

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