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Bulletin for the 134th academic year

**Accreditation**

Texas Christian University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools toward bachelor, master and doctorate degrees. [SACS, 1866 Southern Lane, Decatur, Georgia, 33033-4097; Telephone number 404.679.4501]

**Notice of nondiscriminatory policy as to students**

Texas Christian University does not discriminate on the basis of personal status, individual characteristics or group affiliation, including but not limited to classes protected under federal and state law.

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## Academic Organization

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### Overview

TCU is composed of seven academic units offering undergraduate bachelor's degrees in 100 majors. These colleges and schools also offer graduate degrees (see TCU Graduate Studies Catalog for more information). In addition, students can earn a certificate in Ranch Management or take a full range of non-credit courses through the Office of Extended Education.

While students normally concentrate their work in the school or college of their major field, they may have classes in any or all. All undergraduates will have some courses in AddRan College of Humanities & Social Sciences and the College of Science & Engineering, for a broad, liberal arts-based educational background in the humanities, natural and social sciences.

### M.J. Neeley School of Business

The M.J. Neeley School of Business prepares students to contribute to the professional world and to the larger community through emphasis on a balanced curriculum. A unified program of basic studies provides a solid knowledge base upon which students add principles of accounting, decision sciences, finance, management, marketing, and information systems and supply chain management, as well as distinct competencies that allow them to lead in the business world.

### College of Communication

The College of Communication combines liberal arts studies with professional training. Within the Schieffer School of Journalism, the department of communication studies and department of radio-TV-film, students learn to apply their classroom experiences. Located in the eighth largest media market in the U.S., graduates find ample opportunity to develop their skills in their desired field. Personal counseling and relatively small classes allow the faculty to give attention to the work of each student.

### School of Education

The School of Education offers programs to prepare teachers, counselors, and administrators who serve children from preschool through college. Undergraduate programs prepare teachers for certification in Early Childhood through Grade 4, composite certificates in Grades 4-8 and 8-12, and in the academic subjects taught in Grades 8-12, along with an educational studies minor. These programs combine theory with intensive field-based practice and focus on effective teaching, solving instructional problems, resolving ethical issues, and making curricular decisions with special emphases on urban schools, English as a second language, and special education.

### College of Fine Arts

The College of Fine Arts represents a vital and integral part of TCU's educational history. The College houses the School of Music and the departments of art and art history, ballet and modern dance and theatre arts. These academic programs exact an appropriate balance between professional training and liberal arts studies. Personal counseling and relatively small classes allow the faculty to give attention to the work of each student.

### AddRan College of Humanities & Social Sciences

AddRan College of Humanities & Social Sciences is the center of TCU's well-developed tradition of emphasis on liberal arts. Courses in the humanities and social sciences form a major part of the core studies for all students. Degree programs within AddRan's 10 departments provide the solid liberal arts base needed for professional study toward the ministry, law, medicine, business, teaching or other related fields. Some have a professional orientation within themselves, with specialized study leading toward specific career objectives. In all of the programs, students will find flexibility and freedom balanced by structure and discipline.

### Harris College of Nursing & Health Sciences

Harris College unites the School of Nurse Anesthesia, Communication Sciences and Disorders, Kinesiology, Nursing, and Social Work in an integrated unit. The degree programs offered by the College build on a strong liberal arts foundation and prepare graduates to practice in complex and varied professional settings. Many of the courses offered in the College allow students to learn through practicing in professional and clinical settings and encountering multiple and diverse disciplines, practitioners, and clients.

### College of Science & Engineering

The College of Science & Engineering provides an interdisciplinary program that bridges liberal arts studies with the technical skills the world demands. Composed of the departments of biology, chemistry, computer science, engineering, geology, mathematics, nutritional sciences, physics and astronomy, and psychology, the College offers the bachelor of science degree with majors in 18 fields of study and the bachelor of arts degree with majors in 6 fields. The college also administers the environmental sciences program, the bachelor of general studies degree and the pre-health professions programs (pre-dentistry, pre-medicine, pre-veterinary medicine).

#### **Ranch Management Program**

Two options for study in Ranch Management are available. First, study in all phases of ranch management is offered through a full-time program completed in one academic year. The program combines intensive classroom instruction in basic principles of land, grass, livestock, records, finance and marketing with site visits to ranches, feedlots, market and experiment stations. Students are selected by interview and are admitted only at the beginning of the fall semester.

Second, a program leading to the B.S. degree in Ranch Management is available through the College of Science & Engineering. Students in the degree program are advised by a designated representative of the dean of the college. Students normally are enrolled full time in the Ranch Management Program during their final year of study for the degree.

#### **Office of Extended Education**

Non-credit courses, certificate programs, professional development workshops and selected summer institutes are coordinated through the Office of Extended Education. Non-degree admissions are also processed through this office. The mission of Extended Education is to provide quality life-long learning opportunities for the community and to serve as an arm to link University resources with the community.

# The Bachelor's Degree

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## Student's Responsibility

Faculty, academic advisors and deans are available to help students understand and meet academic requirements for a degree, but the students themselves are responsible for understanding and fulfilling them. If requirements are not satisfied, the degree will be withheld pending adequate fulfillment. Thus it is essential that each student become familiar with all requirements and remain currently informed throughout the college career.

## Definitions and Regulations

**Major.** A major is a prescribed set of courses, number of credit hours, or academic experiences in one or more academic disciplines. Completion of a major is designed to assure disciplined and cumulative study, carried on over an extended period of time in an important field of intellectual inquiry.

**Minor.** A minor is a prescribed set of courses, number of credit hours, or academic experiences in one or more academic disciplines. Completion of the minor is designed to assure more than an introduction to an important intellectual field of study but less than a major in that field. A minor is traditionally outside the major field of study. The department offering the minor typically defines the requirements.

**Emphasis and/or Concentration.** Unless otherwise defined specifically within the catalog, an emphasis or concentration is a guided subset of courses or academic experiences defined by the major department and is typically, but not always, within the major area. Emphasis may be further defined as consistent with specific accrediting body requirements (e.g., Journalism).

**Program.** A program is a shared series of courses or experiences (e.g., Honors Program).

**Area of Study.** While used generically throughout the catalog, area of study could be replaced by Major, Minor or Emphasis/Concentration in most cases.

**Career Track.** This term has meaning within student records software and is used with reference to pre-professional program advising as a way to provide appropriate guidance on course selection and experiences, not necessarily tied to a major or minor.

**Semester Hour.** The unit of measure for academic credit purposes is the semester hour. A semester hour is equivalent to one hour of recitation or a minimum of 2 hours of laboratory per week for a semester or an equivalent time for a shorter term. Two hours of preparation for each classroom hour, on the average, are expected.

**Grading.** The faculty definition of grades, and the point system designed to indicate quality of work, is as follows:

A - Designates exceptional work, 4 points per semester hour.

B - Designates superior work, 3 points per semester hour.

C - Designates satisfactory work, 2 points per semester hour.

D - Designates poor work, 1 point per semester hour.

F - Designates failure, 0 points per semester hour.

P - Passed the course.

NC - No credit awarded for the course.

Non-grade Designators:

I - Designates course has not been completed and a final grade has not been assigned. (The "I" must be removed within first 60 days of the semester immediately following or it is changed to an "F." Any extension must have written approval of the instructor and dean. This policy does not apply to senior honors research papers, graduate thesis or dissertation hours. The student must secure the permit from the Registrar's Office and take it to the instructor before offering work of any kind toward making up the "I" grade.)

Q - Removed from the course by an academic dean.

W - Officially withdrew from the course.

AU - Officially audited the course.

**Pass/No Credit.** Undergraduate students may elect a pass/no credit grading option. They may do so by indicating their choice in writing to the office of the Registrar not later than the date listed in the academic calendar for electing the pass/no credit grading option. Courses taken on a pass/no credit basis are graded "P" (pass) and "NC" (no credit). These P/NC courses are not counted in computing the student's grade point average. A "P" course, however, will carry credit hours and be used toward a student's total hours required for graduation. A "P" indicates achievement equivalent to "A," "B" or "C." Achievement equivalent to a "D" or "F" results in the grade of "NC." Students earn no credit hours in courses in which the grade of "NC" is received.

Before using this option, the student should be aware that some majors and degree programs may limit the applicability of courses graded on a P/NC basis. Courses that are offered only with the P/NC grade will be accepted for meeting requirements in a major or degree program and financial aid eligibility. Furthermore, courses offered only with the P/NC grade will not be counted toward a limit on the number P/NC hours that may be applied to a major or degree program. The student should also check on the acceptability of P/NC grades by any honor societies or graduate schools in which the student may be interested. The P/NC option is not allowed in any English as a Foreign Language (ENFL) course. Any questions or exceptions concerning the P/NC option should be directed to the dean of the college of the student's major.

**Student-Initiated Withdrawal.** The purpose of student-initiated withdrawal from courses is to enhance the learning opportunity in a program of study. On recognition that a student may lack the background needed for the mastery of course content, the subject matter in a course does not match student need or interest as anticipated, or that course requirements will limit effective appropriation of learning in a semester's overall program of study, a student may officially withdraw from a course and receive a "W" in accordance with the policy stated below.

Mere absence from a class does not constitute withdrawal. In order to withdraw from a course, a student must go through official established procedure.

By following established procedures, students may withdraw from any class until five (5) academic days following the published date mid-semester reports of unsatisfactory work are due to the Registrar. The date of withdrawal for all purposes, including tuition adjustment, shall be the date of official withdrawal.

There will be no withdrawals after this date during the fall and spring semesters, or a comparable period during a shorter term.

Any student who experiences unusual hardship may seek special consideration through a written petition to the dean of the college in which he or she is enrolled. Petitions should, where possible, be documented with supporting statements from a doctor, counselor, or family member. That a student is doing unsatisfactory work in a course will not be taken as sufficient reason for special consideration. If, in the opinion of the dean, the request is justified, a grade of Q (dropped by the dean's permission) may be assigned by the dean after consultation with (1) the instructor of the course, (2) the chairman of the department, and (3) the dean of the college in which the course is offered. Any dean assigning a Q will notify the Registrar's Office.

**Audit Enrollment (Course visitor).** Occasional visitation of classes by students is allowed with the consent of the instructor. Any extended attendance requires enrollment as an audit. Auditors are admitted to classes on a space-available basis only. An audit fee is charged. TCU Scholars (See Recognitions section) are given the opportunity to audit one class (for which auditing is permitted) without fee within 12 months after notification of eligibility. TCU Scholars will be expected to follow the established regulations for auditors. The following regulations are applicable:

1. Certain classes-laboratory and clinical classes, Ranch Management day classes, laboratory sections of lecture classes, activity and performance classes such as in studio art, music and ballet-may not be audited. (Evening Ranch Management classes may be audited at full tuition and fees.)
2. The only period during which students may register for an audit or change a credit class to audit is from the second day of late registration to the last day of late registration as published in the University calendar. It is recommended that prospective students consult the instructors of courses in which they are interested before they register. Students wishing to audit graduate courses must be admitted for graduate study and have written approval of either the instructor of the course for which they wish to register or the dean of the college in which the course is taught.
3. Classroom recitation and participation may be restricted at the discretion of the instructor; no grade is assigned and no credit is awarded.
4. If credit is desired, the student must register for and repeat the regular course after paying regular tuition.
5. The student's name will appear on the instructor's class roll. In order for "AU" to appear on the transcript, however, the instructor must certify at the end of the semester that the student has attended as an auditor. Audits not approved by the instructor as a final grade will be omitted from the student record.

**Grade Point Average**

Two grade point averages are maintained by Texas Christian University: (1) a semester average based on courses taken at TCU during a particular term, and (2) a cumulative average based on all work attempted at TCU.

A student's grade point average (GPA) is computed by dividing the number of grade points (grade points are earned per semester hour for the successful completion of academic work) by the number of hours (total credit hours attempted at TCU, excluding those attempted on a pass/no credit basis).

**Repeating a Course.** If a course taken at TCU is repeated at TCU, the official grade is the last letter grade made although all grades appear on the transcript. Only the last letter grade earned in the repeated course will be used in computing the GPA.

If a course is taken at TCU and then repeated at another institution, or if a course is taken at another institution and then repeated at TCU, only the grade earned at TCU is used to compute the student's GPA. Credit for any given course, regardless of where it was taken, may be counted only once.

The student is responsible for notifying the Registrar when a course is repeated.

**Transfer Credit.** Transfer credit is identified on the academic record as the total number of credit hours accepted from each institution attended and is added to the total number of cumulative earned hours. Transfer credit hours may satisfy degree requirements but are not used in the calculation of the cumulative GPA.

**Pass/No Credit.** Pass/no credit courses are disregarded in the calculation of the student's GPA.

**Credit by Examination and Portfolio Assessment.** Credit earned by examination or portfolio assessment is not assigned a letter grade and is not included in the calculation of the cumulative GPA.

### Course Credit

**Credit for Transfer Work.** Students transferring to TCU must present a record of all transfer work for evaluation to the Office of Admissions for approval by the appropriate academic dean prior to their enrollment in the University. Transfer course work not presented prior to enrollment may not be counted toward a degree.

After enrolling at TCU:

- 1) All students must receive prior written approval of the appropriate academic dean if they wish to take courses at another institution and have those courses count toward a degree at TCU. Coursework taken without prior written approval may not be applied to a degree.
- 2) No more than 12 total semester hours, except those earned in an approved study abroad program, may be transferred from other schools.
- 3) No credit may be transferred from a community college once 54 cumulative semester hours have been earned. Transcripts of course work taken elsewhere must reach the Registrar's office within 30 days of completion of the course work.

**Credit for Study Abroad.** TCU will accept as transfer credit courses taken by students enrolled in approved foreign colleges or universities if prior written approval is obtained from the appropriate academic dean.

Students who enroll at those foreign colleges or universities with which the University has a formal agreement of institutional affiliation may exercise the following option. Students have the option as to whether or not the courses taken during the foreign study will be used to meet residency requirements, in which case the grades in these courses will be computed in the official TCU grade point average. Students must declare their intent in writing prior to the period of foreign study and said declaration is irrevocable. The office of the Provost/Vice Chancellor for Academic Affairs and the Center for International Education will maintain a list of those institutions with which TCU has a formal agreement of institutional affiliation. The Study Abroad Coordinator will assist students in making arrangement for foreign study.

**Credit by Examination.** Students may earn academic credit for university-level learning by taking an examination in the appropriate area. Credit granted usually can be used to satisfy specific and general degree requirements. Credit by examination will not be awarded after the student has completed 66 hours of college credit.

For the currently enrolled student, the following conditions apply:

1. The approval of the academic dean must be obtained before taking CLEP or other recognized examinations for credit.
2. Credit by examination will not be awarded for a prerequisite course if credit has been earned in an upper division course.
3. Credit earned by examination is not assigned a letter grade, and is not counted toward special recognition or honors.
4. Duplicate credit is not allowed by enrolling in and completing a course for which credit was earned by examination.
5. Credit may be earned through selected CLEP General and Subject Examinations, College Board Achievement Test in Foreign Languages, and through locally constructed examinations.

**For the entering student,** the following conditions apply:

1. TCU grants credit in some subject areas through the following standardized examination programs: College Board Advanced Placement (AP); College Level Examination Program (CLEP); College Board Achievement Tests in Foreign Languages (ACH); International Baccalaureate (IB).
2. Credit may be obtained through the following institutional examinations: Locally constructed examinations in nursing; Conference examinations in music; Audition examination in ballet and/or modern dance; Certain non-U.S.

Advance Level National Examinations.

3. Credit in English Composition earned by examination will be honored if it appears on an official college transcript.
4. Students may demonstrate competency in a language other than English by meeting the TCU non-English language undergraduate requirement (and earn credit for this requirement) in a variety of ways. First, the student may meet the requirement by successful completion of course work at TCU, or by approved transfer credit from another institution, as specified in each academic major and receive the number of credit hours earned in those courses. Additionally, a student may provide evidence of competency in the non-English language by: (1) scores on standardized tests approved by the University, for which the student will receive 3-12 hours of credit depending on the examination score; or (2) successful completion of one academic year in a secondary or post-secondary institution in which the language of instruction is other than English, for which the student will receive 12 hours of credit.

The Credit by Examination procedures are reviewed and updated annually. The current brochure, Credit by Exam, is available in the Office of Admissions, Sadler Hall Room 112.

**Credit for Military Service.** The University follows, with limitations, the recommendations of the American Council on Education as published in the Guide to the Evaluation of Educational Experiences in the Armed Forces in granting credit for military service schools. At a minimum, the following limitation applies:

Courses must be in the "baccalaureate/associate degree category" as defined by the ACE guide. This precludes acceptance of vocational, technical or certificate category courses, or military occupational specialties or job experience.

For consideration of credit for military service schools, the applicant may submit the following military records:

1. a certified original of the DD Form 295, or
2. a copy of the DD Form 214, or
3. course completion certificates.

The Office of the Registrar will assist persons eligible for veterans educational assistance benefits.

**Credit for Nonresidential Course Work.** As a general rule, TCU does not accept nonresidential courses taken prior to enrollment at TCU. However, a student may petition the appropriate academic dean to grant credit. Nonresidential courses taken while a student is in residence at TCU require prior written permission of the appropriate dean if the courses are to be applied toward a TCU degree.

**Credit for Independent Study.** Some departments at TCU offer an opportunity for independent study, usually pursued late in one's major. It has a broad range of purposes. Perhaps most important is exposure of the undergraduate student to methods and techniques usually reserved for graduate students. Seminars, reading and reviews, and independent research characterize this phase of a student's work, which normally is optional. Independent study courses are also available to exceptional students with exceptional needs. A student, for example, may want a more intensive exposure to a specific subject than a standard course provides. With faculty approval, an independent study course can provide the opportunity to go as far as interest and capability allow.

### Academic Load

The student of average ability should be able to take successfully 15-18 semester hours. The student should regularly consult with his/her academic advisor, but the student must know the academic requirements of his/her degree program and plan accordingly for a timely graduation. After consultation with the academic advisor the student will select the appropriate courses and number of credit hours to be taken each semester. Decisions regarding the number of hours to be taken and class scheduling will differ among students based upon many variables, e.g., academic preparedness and commitments to out-of-class activities. The University's web-based registration allows a student to register for up to 18 semester hours once classes have begun (To assure equitable access to courses, students are limited to less than 18 hours prior to the first day of classes. Students seeking to register for more than 18 hours must take written approval from the Academic Dean to the Office of the Registrar. Students enrolled through the Office of Extended Education must obtain approval of the Director to register for more than 7 semester hours.

The amount of required classroom/laboratory time for students enrolled in a summer session course conforms to TCU standards. In summer sessions, the time frame in which this work must be accomplished is significantly compressed. Even superior students may find academic pursuits difficult under such conditions. While as many as 15 to 18 credit hours may be earned during the several summer sessions, a student may not be enrolled in more than seven credit hours at any one time and no more than four credit hours concurrently during the three week mini-term. Study abroad programs are not affected by this policy. Any exception to this policy must have written approval of the Dean of the major.

### Student Classification

A student's classification is determined by the amount of credit earned or the degree for which the student is a candidate, as shown below:

Freshman - 0-23 semester hours

Sophomore - 24-53 semester hours

Junior - 54-83 semester hours

Senior - 84 and above semester hours

Graduate - Student enrolled for graduate study or in Brite Divinity School

Post Graduate - Student who possesses a baccalaureate degree but is not pursuing an advanced degree program

Special-Unclassified

### **Interpretation of Course Abbreviations**

Each course is assigned a five-digit number. The first digit indicates the level (year) at which the course is offered; the second, third and fourth digits distinguish one course from another within the same department; the fifth digit reflects the amount of semester hour credit assigned to the course. In indicating the level or year of the course, 0 is used for subfreshman; 1 for freshman; 2 for sophomore; 3 for junior; 4 for senior; 5 for senior-graduate; and 6, 7, 8 and 9 for graduate.

The fifth digit shows semester hour credit with one exception-zero is assigned those courses which include one or more of the following features: noncredit; credit value includes a fraction; the course has a variable credit value which is determined at the time of enrollment on an individual basis.

Thus the course, "English 10803" (or ENGL "10803") is a freshman level course (first digit) which carries 3 semester hours of credit (fifth digit). The three middle digits (second, third and fourth) identify it as a specific course in the English Department.

When the term "advanced courses" is used, it refers to those of junior rank (30000 level) or higher.

In designating courses, departments use the four-letter subject code (such as "ENGL" for English) that has been devised for web-based registration.

The codes are to be interpreted as follows:

AADM - Arts Administration

ACCT - Accounting

ADRN - AddRan Interdisciplinary

AEST - Aerospace Studies

ANTH - Anthropology

ART - Art

BALT - Ballet

BIOL - Biology

BRST - British & Colonial/Post-Colonial Studies

BUSI - Business

CHEM - Chemistry

CITE - Computer Information Technology

COMM - Communication Studies

COSC - Computer Science

COSD - Communication Sciences & Disorders

CRJU - Criminal Justice

DEMT - Design, Merchandising, & Textiles

ECON - Economics

ENSC - Environmental Science

EDEC - Education - Early Childhood

EDMS - Education - Middle School

EDRE - Education - Reading

EDSE - Education - Secondary

EDSP - Education - Special

EDUC - Education - General

ENFL - English as a Foreign Language

ENGL - English

ENGR - Engineering

ENSC - Environmental Science



FINA - Finance  
FNRT - Fine Arts Interdisciplinary  
FREN - French  
GEOG - Geography  
GEOL - Geology  
GERM - German  
GREE - Greek  
HCOL - Honors Colloquia  
HHIT - Honors Intellectual Traditions  
HIST - History  
HITP - Honors Intellectual Traditions, Purpose  
HLTH - Health  
HNRS - Honors: Origins & Images  
HSPR - Honors Special Problems  
INSC - Information Systems & Supply Chain Management  
ITAL - Italian  
JAPN - Japanese  
JOUR - Journalism  
KINE - Kinesiology  
LAST - Latin American Studies  
MANA - Management  
MARK - Marketing  
MATH - Mathematics  
MISC - Military Science  
MODA - Modern Dance  
MUSI - Music  
MUSP - Music Performance  
NTDT - Nutritional Sciences  
NURS - Nursing  
PEAC - Physical Education Activity Courses  
PHIL - Philosophy  
PHYS - Physics & Astronomy  
PORT - Portuguese  
POSC - Political Science  
PSYC - Psychology  
RAMA - Ranch Management  
RELI - Religion  
RTVT - Radio-TV-Film  
SOCI - Sociology  
SOWO - Social Work  
SPAN - Spanish

THEA - Theatre

UNPR - University Programs

WOST - Women's Studies

### Grade Reports

Grades are reported to students at the end of each semester and summer term. Reports will also be made at mid-semester on undergraduate students who are doing unsatisfactory work in one or more subjects. Unsatisfactory shall be defined as "D" or "F" work. Mid-semester reports of unsatisfactory work are not made a part of the official university transcript.

### Academic Conduct Policy

If it is to fulfill its missions, an academic community requires that all of its participants maintain the highest standards of honor and integrity. The purpose of the Academic Conduct Policy is to make all aware of these expectations. Additionally, the policy outlines some, but not all, of the situations that violate these standards. Further, the policy sets forth a set of procedures that will be used when these standards are violated. In this spirit, this policy outlines below: (1) Academic Misconduct; (2) Procedures for Dealing with Academic Misconduct, and (3) Sanctions. These are not meant to be exhaustive.

## I. ACADEMIC MISCONDUCT

Any act that violates the spirit of the academic conduct policy is considered academic misconduct. Specific examples include, but are not limited to:

**A. Cheating.** Includes, but is not limited to:

1. Copying from another student's test paper, laboratory report, other report, or computer files and listings.
2. Using in any academic exercise or academic setting, material and/or devices not authorized by the person in charge of the test.
3. Collaborating with or seeking aid from another student during an academic exercise without the permission of the person in charge of the exercise.
4. Knowingly using, buying, selling, stealing, transporting, or soliciting in its entirety or in part, the contents of a test or other assignment unauthorized for release.
5. Substituting for another student, or permitting another student to substitute for oneself, in a manner that leads to misrepresentation of either or both students work.

**B. Plagiarism.** The appropriation, theft, purchase, or obtaining by any means another's work, and the unacknowledged submission or incorporation of that work as one's own offered for credit. Appropriation includes the quoting or paraphrasing of another's work without giving credit therefore.

**C. Collusion.** The unauthorized collaboration with another in preparing work offered for credit.

**D. Abuse of resource materials.** Mutilating, destroying, concealing, or stealing such materials.

**E. Computer misuse.** Unauthorized or illegal use of computer software or hardware through the TCU Computer Center or through any programs, terminals, or freestanding computers owned, leased, or operated by TCU or any of its academic units for the purpose of affecting the academic standing of a student.

**F. Fabrication and falsification.** Unauthorized alteration or invention of any information or citation in an academic exercise. Falsification involves altering information for use in any academic exercise. Fabrication involves inventing or counterfeiting information for use in any academic exercise.

**G. Multiple submission.** The submission by the same individual of substantial portions of the same academic work (including oral reports) for credit more than once in the same or another class without authorization.

**H. Complicity in academic misconduct.** Helping another to commit an act of academic misconduct.

**I. Bearing false witness.** Knowingly and falsely accusing another student of academic misconduct.

## II. PROCEDURES FOR DEALING WITH ACADEMIC MISCONDUCT

### A. Definitions

1. Day refers to a school day on which classes are meeting.
2. Academic dean refers to the dean of the college or school offering the course in which the academic misconduct is alleged to have taken place.
3. Department chair refers to the academic administrator responsible for the unit providing the instruction in which the alleged academic misconduct occurred.
4. Faculty refers to the instructor of the course in which the suspected academic misconduct occurred.
5. Advisor refers to any person selected by the student who accompanies the student during formal hearings. The advisor may speak with the student but may not actively participate in the hearings.
6. The Academic Appeals Committee is a standing University Committee. The charge and membership of the

Committee may be found in the current Handbook for Faculty and University Staff.

## **B. Investigation and initiation**

1. Students who know of an act of academic misconduct should report the incident to the faculty member teaching the course. The faculty member will obtain the basic facts of the allegation and ask the student reporting the misconduct to write and sign a statement of facts. The name(s) of the student(s) reporting suspected academic misconduct will remain confidential during the informal faculty/student meeting, but must be revealed to the accused student if the resolution proceeds beyond the faculty member and the accused student.
2. Faculty who suspect academic misconduct or who have academic misconduct reported to them must initiate an investigation and meet with the accused student within five days of becoming aware of the incident. A faculty member who is made aware by another person of an act of academic misconduct has the responsibility to investigate the allegation, and, if warranted, pursue the issue as outlined below (C.1).
3. In instances where the suspected academic misconduct is discovered during an academic exercise, the faculty member has the right to suspend immediately the student involved in the alleged activity from further work on the academic exercise.
4. A student, once accused of academic misconduct, will proceed in the course without restriction until resolution of the issue or until the academic dean has taken an action as specified in III.B that removes the student from the course.
5. An "I" grade should be given by the instructor if the alleged misconduct occurs near the end of a semester, for example, during finals, and a sanction outlined in section III has not been applied by the instructor of the dean.
6. If more than one student is accused of the same act of misconduct (e.g. giving and receiving aid), each individual student is guaranteed the right to have the cases heard separately. With each student's permission, the cases can be combined. The faculty/student conference (C.1) is expected from this requirement.

## **C. Resolution**

1. Meeting Between Faculty Member and Student. This is the first step to be taken in resolving an incident of suspected academic misconduct.
  - a. Within five days of suspecting misconduct, the faculty member will hold a meeting with the student. At this meeting, the faculty member will inform the student of all allegations against him or her and present any information supporting the allegations.
  - b. The student will be given the opportunity to respond to the allegations. The student has the right not to respond.
  - c. The faculty member will decide whether or not academic misconduct has occurred, and, if warranted, apply any combination of sanctions in III.A below, or refer the matter to the Dean for more severe sanctions (probation, suspension, or expulsion). Findings of academic misconduct are based on the preponderance of the evidence.
  - d. The faculty member will notify the student in writing of his or her decision and may send copies to the academic dean, the dean of the college in which the student is enrolled, the department chair, and the Dean of Campus Life. Any such copies of the findings will be kept on file in the college and department offices and in the student discipline files maintained by the Dean of Campus Life.
2. Meeting with Department Chair. This meeting takes place when the student wishes to appeal either the findings of the faculty member or the severity of the sanction(s).
  - a. Within five days of being notified by the faculty member of the disposition of the incident of academic misconduct, the student may request a meeting with the department chair.
  - b. The department chair will become acquainted with the facts and meet with the parties involved in the case. The student has the right to meet with the department chair without the faculty member being present.
  - c. The department chair may either support or reverse the findings of the faculty member, and may lessen the sanction(s) imposed by the faculty member even while supporting its findings. The chair may not increase the severity of the sanction(s).
  - d. The department chair will notify the student and faculty member of his or her decision in writing and may send copies to the faculty member, the academic dean and the Dean of Campus Life. Any such copies of the findings will be kept on file in the college and department offices and in the student discipline files maintained by the Dean of Campus Life.
3. Meeting with Academic Dean. This meeting takes place if the student wishes to appeal either the findings of the department chair or the severity of the sanction(s), if the faculty member recommends sanctions in addition to those listed in III.A.3 and 4 or if the student has been found guilty of academic misconduct previously.
  - a. Within five days of being notified the chair of the disposition of the incident of academic misconduct, the student may request a meeting with the academic dean.
  - b. The academic dean will hear the facts of the case and make a decision about the alleged act of academic misconduct or the appropriateness of the sanctions administered by the faculty member. The academic dean can issue any combination of sanctions listed in III.
  - c. The academic dean will notify the student of his or her decision in writing with copies to the department chair and the faculty member. Copies of the findings will be kept on file in the college office and may be sent to the Dean of Campus Life.

4. Academic Appeals Committee. Should the student wish to appeal the decision of the academic dean, he or she has the right to request a hearing before the Academic Appeals Committee.

a. The student must request this hearing by submitting an appeal letter to the chair of the university Academic Appeals Committee no later than five days from the date of receiving written notification of the dean's findings.

b. Upon receipt of the appeal letter, the Chair of the Academic Appeals Committee may request materials from the student, the faculty member, the department chair, and/or the dean.

c. The appealing student has the right to appear before the Academic Appeals Committee. The student may bring one person with him or her as an advisor. The advisor may not speak for the student or to the committee. The advisor may only speak with the student. The student must inform the university 5 class days in advance if his or her advisor is an attorney in order for the university to also have an attorney present. Each party shall bear the expense of his/her legal counsel. Legal counsel is to provide counsel only and may not participate directly in the meeting. The meeting is an administrative hearing, not a court proceeding, and is not subject to the procedures or practices of a court of law.

### III. SANCTIONS

#### A. By the faculty member:

1. Grant no credit for the examination or assignment in question (treat as a missed assignment).
2. Assign a grade of "F" (or a zero) for the examination or assignment in question.
3. Recommend to the academic dean that the student be dropped immediately from the course with a grade of "F."
4. Recommend to the academic dean that the student be placed on probation, suspended or expelled from the University.

B. By the academic dean or academic appeals committee: (Previous academic misconduct will be taken into account when either the academic dean or the Academic Appeals Committee considers sanctions for academic misconduct.)

1. Apply sanctions in III.A.
2. Drop student from the course with a grade of "F". This grade cannot be changed by student-initiated withdrawal and the grade will be included in the computation of GPA even if the course is repeated.
3. Place the student on suspension from the University for a specified period of time.
4. Expel the student from the University.
5. In a case where the academic dean as defined above is not the dean of the college in which the student is enrolled, he or she shall recommend to the Vice Chancellor for Academic Affairs that the student be placed on probation, suspended or expelled.

*Information pertaining to the Academic Conduct Policy may be found in the Student Services section of this Bulletin. Students may obtain a complete copy of the policy statement in the offices of all academic deans, the Dean of Campus Life, the Vice Chancellor for Academic Affairs, and the Vice Chancellor for Student Affairs.*

#### **Academic Standing and Satisfactory Academic Progress**

A student is considered to be in "Acceptable Academic Standing" if the student is eligible to continue his/her enrollment at TCU. Verification of this status is made by the Registrar.

A student is considered to be making "Satisfactory Academic Progress" when the student is in Acceptable Academic Standing and course work is being completed (1) that leads to the degree being sought, (2) in a timely manner, and (3) which is consistent with reasonable expectations for individual circumstances. Satisfactory Academic Progress is determined by the academic dean of the major.

#### **Disruptive Classroom Behavior and Lack of Academic Progress Policy**

Disruptive behavior is prohibited. Disruptive behavior includes but is not limited to conduct that substantially interferes with or obstructs the teaching or learning process. Civil expression of disagreement with the course instructor, during times when the instructor permits discussion, is not itself disruptive behavior and is not prohibited.

When any student, acting individually or in concert with others, obstructs or disrupts, or attempts to obstruct or disrupt any teaching, research, administrative, disciplinary, or public service activity, or any other activity authorized to be discharged on behalf of the University or held on the University's premises, the student may be asked to stop the disruptive behavior by an instructor or staff of the University. If the student continues, an instructor/staff member is authorized to tell the student to leave the area or classroom and, if the student will not leave, to call campus police.

The instructor/staff may immediately call campus police, without prior request to the student, if presented with an unsafe situation, threatening behavior, violence, or in other appropriate circumstances.

#### 1. Withdrawal of Student From Class or Other Educational Experience

When a student disrupts a class or other educational experience, acts in a threatening manner, is not making acceptable academic progress, or if the student's behavior or lack of preparation is detrimental to the educational experience of others or could create an unsafe condition, or if the student is compromising the learning environment, the instructor may take action to withdraw the student from the class or educational experience.

To do this, the instructor shall provide the student written notice of intent to withdraw the student from the class or

educational experience, with an explanation of the instructor's reason(s), and with a copy to the instructor's department chair (or, when there is no department chair, to the associate dean of the instructor's college or school). The notice should schedule a meeting with the student and the department chair (or, when there is no department chair, with the associate dean or dean of the instructor's college or school) to occur within 7 days of the notice. The instructor may bar the student from the class or educational experience pending the result of the meeting, and the written notice should advise the student if there is such a bar. At the meeting, the student may have one advisor. Following the meeting, the instructor shall decide whether to withdraw the student from the class or educational experience. If a student is withdrawn, his or her grade will be recommended by the instructor to the dean of the instructor's college or school as either a 'Q' or an 'F.' The student may appeal this decision within 7 days in writing to the academic dean or designee. During the student's appeal, the student remains withdrawn from and is barred from attending the class. The academic dean or his/or her designee's decision on this appeal is final.

## 2. Denying Enrollment, Suspension, Expulsion, and Other Appropriate Action

When a student disrupts a class or other educational experience, acts in a threatening manner, is not making acceptable academic progress, or if the student's behavior or lack of preparation is detrimental to the educational experience of others or could create an unsafe condition, or if the student is compromising the learning environment, or if the student has acted contrary to the professional or ethical standards of the University, a department thereof, or a particular field, an academic dean, or the dean's designee, may additionally:

- A. deny class enrollment to the student; or
- B. suspend or expel the student from the University or from one or more of its programs;
- C. take other appropriate action.

The student affected by such a decision by an academic dean, or the dean's designee, may appeal in writing within 7 days to the Academic Appeals Committee. The decision of the academic dean (or designee) remains in place during the pendency of the appeal. The Academic Appeals Committee's decision on the matter is final.

A student so suspended or expelled shall have a grade of 'Q' or 'F' recorded for each course in progress as determined appropriate by the academic dean. The transcript will not record suspension or expulsion.

## 3. Non-students and Non-enrolled Students

Non-students and students not enrolled in class may be permanently removed by an instructor of the class, without formal review. Non-students who disrupt University activities may be removed from campus and banned from returning.

## 4. Other

Although some disruptive behavior may be due to a mental or physical disorder, as it relates to violence, disruptive or threatening behavior, students with such disorders will be held to the same standards as others.

Nothing in this policy limits a person including but not limited to an instructor, academic dean, associate dean, or department chair from referring a matter to the Office of the Dean of Campus Life or pursuing disciplinary action against a student or person through a complaint filed in the Office of the Dean of Campus Life.

This policy is not intended to limit any authorized University employee, staff member, official, vice chancellor, chancellor, members of the Board of Trustees, or a member of the Office of Dean of Campus Life, from appropriately addressing behaviors covered by the policy.

### **Attendance Expectations and Official Absence Policy**

Regular and punctual class attendance is essential, and no assigned work is summarily excused because of absence, no matter what the cause. Records of class attendance are the responsibility of the faculty, and every course syllabus should clearly state the instructor's policy on class attendance and how attendance affects a student's final evaluation in the course. Students who miss an instructional experience are expected to meet with faculty to discuss their absence as soon as possible.

When a student is absent to represent the University (as in athletics, chorus, band, national or state meetings or organizations represented at TCU), then an Official University Absence may be granted by the Campus Life Office. Faculty/staff who wish to have an activity sanctioned for Official University Absence status must submit the names of all students, including date and hours absent from campus, to the Campus Life Office no later than one week prior to the date of the activity.

Students are encouraged to use the resources of the Campus Life Office if an emergency situation occurs, or if assistance is needed to resolve individual concerns.

### **Family Educational Rights and Privacy Act**

This Federal law states (a) that a written institutional policy must be established and (b) that a statement of adopted procedures covering the privacy rights of students be made available. The law provides that the institution maintain the confidentiality of student education records.

The University accords all the rights under the law to its students. Students wishing access to a complete copy of the regulation and the University policy governing their educational records may do so at these locations: Provost/Vice Chancellor for Academic Affairs, Sadler Hall Room 302; Vice Chancellor for Student Affairs, Sadler Hall Room 310; Dean of Campus Life, Sadler Hall Room 101; Registrar, Sadler Hall Room 17; or Scholarships and Financial Aid, Sadler Hall Room 108.

There are six rights, which are summarized here:

1. The Right to be Informed. The University will give the students an annual notice of their rights and where copies of the policy may be reviewed.
2. The Right to Inspect. Students may inspect information contained in their educational record provided they make

a written request to the custodian of the records. The request must be granted no later than 45 days from the receipt of the request.

3. Right to Limited Control of Release. No one outside the institution shall have access to, nor will the University disclose identifiable information from the educational records without written consent of the students, except directory information or other exceptions permitted by the Act, which the student has not refused to permit the University to disclose.

4. Right to Request a Change. Students may request that the record be amended if they feel the information is inaccurate, misleading, or in violation of the rights of privacy. The University will decide whether to change the record. The student may place a rebuttal in the record.

5. Right to a Hearing. If the University chooses not to amend the record, the student may request a hearing. The request must be in writing to the Vice Chancellor for Student Affairs or the Vice Chancellor for Academic Affairs. The student will be notified of the time, date, and place of the hearing.

6. Right to Report Alleged Violations. Students who feel their rights have been abridged may file complaints with the Family Educational Rights and Privacy Act Office, Department of Education, Washington, D.C. 20201.

At its discretion TCU may provide directory information in accordance with the provisions of the Act to include: student name, address, telephone number, email address, image, name of parents of dependent students, date and place of birth, major field of study, dates of attendance, degrees and awards received, the most recent previous educational agency or institution attended by the student, participation in officially recognized activities and sports, and weight and height of members of athletic teams. It is also permissible for the University to release information from a student's educational record to a parent, provided the student is a "dependent" as defined in Section 152 of the Internal Revenue Code of 1954. Students may withhold directory information by notifying the Registrar in writing. Requests for nondisclosure will be honored for only one academic year; therefore, authorization to withhold directory information must be filed annually in the Office of the Registrar.

### **Transcripts of Academic Records**

Students and former students may request official transcripts of their TCU academic record from the Office of the Registrar. While official copies of high school records and transfer credits from schools other than TCU must be requested from the institutions where the work was taken, unofficial copies may be requested from TCU. All transcript requests must be made by the student. Adequate notice, normally one week, is required for transcript processing. Transcripts cost \$5.00 each. Transcripts will not be released unless the student has satisfied all financial obligations to the University.

### **Affirmative Action**

If there are matters having to do with discrimination, or matters concerning access for the disabled, please notify Karen Baker, Interim Affirmative Action Officer, Sadler Hall, Room 327, extension 7783, or John Weis, Deputy Affirmative Action Officer, Human Resources, 3100 West Berry Street, extension 7790.

### **Academic Probation and Suspension**

All undergraduate students are required to meet certain academic standards. Academic probation/suspension policies are designed to provide careful supervision of the program of study and progress of the student. Failure to meet standards will place students on academic probation or academic suspension. The minimum satisfactory record at TCU for normal progress and graduation is an overall "C" average on all work taken at TCU.

Each semester's grades are reviewed to determine attainment of academic standards. Students are required to maintain academic progress according to the standards set forth below. Failure to meet these expectations will result in the following action:

**Academic Warning.** Students will be placed on Academic Warning if they have attempted (i.e., received a grade) at least 9 semester hours but fewer than 18 total semester hours at any accredited institution and their cumulative TCU grade point average falls below 2.00. Academic Warning will not become a part of the official transcript. Students will be placed on Academic Warning only once during their matriculation at TCU.

**Academic Probation.** Students who fail to achieve:

A. a 2.00 cumulative TCU grade point average in any semester of attendance following Academic Warning will be placed on Academic Probation, or,

B. a 2.00 cumulative TCU grade point average in any semester of attendance will be placed on Academic Probation if they have attempted 18 or more cumulative semester hours at any accredited institution.

Academic Probation will become part of their official transcript.

**Academic Suspension.** Students who have been placed on Academic Probation at any time during their matriculation at TCU will be subject to Academic Suspension if they fail to maintain a 2.00 cumulative grade point average at TCU in any subsequent semester of attendance.

Students who are subject to Academic Suspension will have their academic progress reviewed by their academic dean and will be notified in writing as to the Academic Suspension decision and any special conditions for re-enrollment. A student's suspension may be for a single semester or for a full calendar year and may or may not include summer terms, at the discretion of the dean of the student's major. A second suspension will be for a minimum of a full calendar year.

Following suspension the student must apply for re-enrollment to the University. Re-enrollment requires the approval of the academic dean of the student's intended major. Credit earned from another college or university during a period of academic-related suspension may not be transferred to TCU.

Academic Suspension will become part of their official transcript.

**Students Returning to the University Following Suspension.** A student re-enrolled in the University following a period of suspension is automatically on probation.

### Requirements for Graduation

The University requirements for graduation (e.g., TCU Core Curriculum or University Curriculum, total credits and residence requirements) specified in the Undergraduate Studies Bulletin in effect at the time the student first enrolls at TCU as a degree-seeking student will be those required for graduation for a period of time not to exceed 6 (six) years. A year is defined as the 12-month period following the date of initial enrollment.

The major, college and specific degree requirements for graduation in effect when the student formally declares a specific major (or his/her intent to pursue a specific major) will be those required for graduation for a period of time not to exceed 6 (six) years from the time of declaration of major.

After 6 (six) years, requirements for graduation will be those specified in the Bulletin in effect at that time. A student may graduate under the requirements of a subsequent Bulletin, but he/she must satisfy all the requirements of the Bulletin chosen. When a student pursues a degree on a part-time basis, his/her enrollment pattern at TCU is a factor the academic dean may consider to determine whether an exception will be made to the 6-year rule.

The University faculty expects a bachelor's degree from TCU to indicate both a breadth of knowledge and comparative mastery of some field. Thus the curricula for all bachelor's degrees are built around:

1. Study in specified subject areas as stated in the TCU Core Curriculum, or University Curriculum (UCR) requirements, as appropriate, and
2. Concentration upon a combination of related courses as outlined by the department, school or college in which study is emphasized, and
3. In some cases, "free electives" or other courses through which educational goals can be reached.

Since an important goal of the University is to help its students learn the ways and habits of articulate thought, the rationale for the TCU Core Curriculum (or University Curriculum) is the belief that there exists an identifiable body of studies central to achieving that goal. All bachelor's degree plans include these requirements. Each school and college may require some variation, and students should refer to the specific degree requirements found in the school and college sections of this bulletin.

All undergraduate students must demonstrate basic computer skills by the time they complete their first 60 hours of undergraduate study. Transfer students who have 60 or more hours have one semester to demonstrate competency. Students who have not complied are not able to register without a dean's waiver. Students cannot graduate without demonstrating compliance by one of these means:

1. Demonstration by examination. First-year and transfer students are provided the opportunity to complete the TCU Basic Computer Skills Assessment (BCSA) during orientation. The assessment test can also be completed during the first week of every semester. The test may be taken only once a semester. There is no limit to the number of times a student may attempt the assessment test. Those who achieve a passing score (45 out of 70) have successfully demonstrated basic skills.
2. Demonstration by credit. Students who do not wish to complete the BCSA may achieve a passing grade in a course designated as a Basic Computer Skills (BCS) course.
3. Demonstration by certification. Students who aspire to a major in the Neeley School of Business must achieve the Microsoft Office User Specialist (MOUS) certification. Completion of this certification is an acceptable substitute for the BCSA test.

Additional information may be obtained from the academic dean and/or academic advisor.

### TCU Core Curriculum Requirements

*The TCU Core Curriculum requirements apply to Freshman students matriculating at TCU in Summer 2005 or later. Students who matriculated at TCU prior to Summer 2005 are subject to the University Curriculum Requirements (UCR). Transfer students matriculating at TCU prior Summer 2007 are also subject to the UCR.*

The educational experience offered by Texas Christian University reflects its membership in the worldwide academy of learning. The intellectual traditions of the University, honed by the scholarship and creativity of successive generations of faculty, are founded upon a rational and reflective examination of humanity and its natural and social environments. The essential elements of these traditions are captured in the TCU Core Curriculum (TCU CC) requirements.

The TCU Core Curriculum is designed to

- embody the liberal arts ethos of Texas Christian University;
- facilitate a focus on educational competencies, learning outcomes, and assessment;
- show sensitivity to the special needs of students in different colleges and degree programs; and
- provide intellectual challenges and opportunities for students and faculty.

The goals of the TCU Core Curriculum are described clearly in the Heritage, Philosophy and Goals section of the *TCU Handbook for Faculty & Staff*:

The University . . . regards as essential the advancement and communication of general knowledge which enables students to understand the past, to comprehend the natural and social order, to search for the good and the beautiful, and to integrate knowledge into significant wholes.

The TCU Core Curriculum has three components: the Essential Competencies Curriculum (12 hours plus 6 hours Writing Emphasis), the Human Experiences and Endeavors Curriculum (27 hours), and the Heritage, Mission, Vision, and Values Curriculum (18 hours). All courses in the TCU Core Curriculum may overlay with other requirements of

the student's degree program. The overlay feature provides the flexibility for core requirements to be satisfied in a range between 39 and 63 hours. For specific information on the TCU Core Curriculum requirements, click on \_\_\_\_\_ . For specific information on the UCR requirements click on \_\_\_\_\_ .

### **Total Credits and Residence Requirements**

Beyond the curricular requirements, each candidate for a bachelor's degree is required to:

1. Successfully complete at least 124 semester hours of credit.
2. Earn, under the point system of the University, a cumulative GPA of at least 2.0 in all work attempted at TCU (including courses attempted during international study that are designated by the student to fulfill residency requirements), earn a cumulative GPA of at least 2.0 in all courses attempted in the department of the major at TCU (including courses attempted during international study that are designated by the student to fulfill residency requirements), and earn a cumulative GPA of at least 2.0 in all courses applied to the minor (including courses attempted during international study that are designated by the student to fulfill residency requirements). Some major and minor programs may require a GPA greater than 2.0 for entry into and progression in the program and/or graduation.
3. Complete residence work at the university earning at least 58 semester hours applicable to the degree program in addition to any hours accepted from other schools. **To be eligible for graduation with honors and to receive certain awards and recognitions, additional hours may be required (see Honors and Recognitions section).** The last 30 semester hours for the degree must be taken at TCU except as provided for in certain degree programs.
4. Successfully complete at TCU at least 42 of the total hours required for graduation in advanced courses numbered 30000 or above.
5. Successfully complete at TCU at least 12 semester hours of advanced work in the field of the major and at least 6 semester hours of advanced work in the field of the minor.

### **Declaration of an Academic Major**

The premajor option is intended to provide students with more time to explore academic majors. Students may not remain nor declare as premajors after they have earned 54 semester hours of credit. The premajor student must formally declare a major by filing the "Change of Major" form with the Office of the Registrar.

### **Multiple Majors**

Although students are encouraged to seek a broad educational experience at TCU, the approval to earn multiple majors is not automatic. In some cases, receiving multiple majors may require actually earning multiple degrees. Because the requirements of multiple majors and multiple degrees are complex, students wishing to pursue more than one major should investigate major and degree requirements early in their career at TCU (i.e., refer to the appropriate school/college section of this Bulletin which delineates the requirements for multiple majors and degrees). To pursue multiple majors or degrees, written permission from the academic dean responsible for each major or degree is required and must be filed with the Registrar's office.

### **Additional Bachelor's Degrees**

A TCU student who wishes to pursue multiple bachelor's degrees concurrently must (a) declare his/her intent and file all degree plans prior to completing the last 15 hours of either degree; (b) fulfill all specific major, college/school and University degree requirements in force at the time of his/her initial enrollment (subject to the 6-year limitation); and (c) successfully complete 30 hours on each bachelor's degree that did not apply toward any of the other bachelor's degrees. A second bachelor's degree will not be awarded until the student has completed at least 30 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

To return to TCU to earn an additional bachelor's degree, an applicant holding a bachelor's degree from TCU must apply to pursue a specific degree and, if admitted, must successfully complete a minimum of 30 semester hours at TCU which did not apply to the first degree and fulfill all specific major, college/school and University degree requirements in force at the time of enrollment at TCU for the additional degree. A second bachelor's degree will not be awarded until the student has completed at least 30 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

An applicant holding a bachelor's degree from another accredited institution must be accepted to pursue a specific degree, successfully complete a minimum of 58 semester hours in residence at TCU, and fulfill all specific major, college/school and University degree requirements in force at the time of enrollment at TCU for the additional degree.

Courses applied toward a previously earned bachelor's degree will be evaluated on an individual basis to determine their applicability to University degree requirements.

### **Degree Plan**

The undergraduate should make a formal request for a degree plan from the Office of the Dean of the college or school in which the degree objective is offered. The request should be made when the student has completed 60 semester hours unless the school or college specifies an earlier time in its section of the bulletin. After a degree is awarded, no subsequent work may be applied to that degree.

### **Honors and Recognitions**

The university honors high academic achievement. The most significant recognitions are conferred at graduation time, but there are many interim awards as well. Some formal recognitions become a part of the student's permanent academic record; others may be in the form of a letter of commendation or list posted on the bulletin board. Each spring, Honors Week focuses attention on high academic achievement through special programs and publications. (Grade point average requirements discussed in the following sections refer exclusively to the TCU GPA.)



**TCU Scholars.** Full-time, degree-seeking undergraduate students who achieve a 4.0 grade point average (all A grades) in any spring or fall semester are recognized as "TCU Scholars" by the academic deans. In that semester they must have earned credit for at least 12 hours, and "I" and "P" grades are not counted. "TCU Scholars" may audit one course without fee any time within a year of their designation.

**Dean's Honor List.** At the end of each fall and spring semester, deans of undergraduate schools and colleges announce the names of those who have done exceptionally well. To be eligible for the Dean's Honor List, freshmen must achieve at least a 3.4 GPA, sophomores at least 3.5, juniors at least 3.6, and seniors at least 3.7. In that semester they must have earned credit for at least 12 hours, and "I" and "P" grades are not counted.

**Graduation Honors.** Students with a grade-point average of 3.9 or above are graduated Summa Cum Laude, perhaps the highest academic distinction. Those with 3.7 or above are graduated Magna Cum Laude, an only marginally less prestigious honor. And for those with 3.5 or above, graduation is Cum Laude.

Graduation honors are reserved for students who earn at least 58 semester hours at TCU exclusive of any credit by examination.

**Honor Societies.** In almost all academic fields, national honorees societies recognize students who show exceptional ability. Most departments at TCU have chapters of such societies to which high-achieving students are invited. In addition, some prestigious honor societies are open to students from throughout the University. Perhaps best-known at TCU and over the nation are these:

**Phi Beta Kappa**, the oldest such society in America and one of the most selective, invites to membership students with high grades whose studies show a breadth of knowledge in the liberal arts. Most initiates are seniors, though juniors and graduate students are sometimes invited as well.

**Sigma Xi**, the Scientific Research Society of North America, invites to membership persons whose research has made an original contribution to the sciences. Undergraduate students with exceptional research papers meet the society's requirements.

**Mortar Board** invites students on the basis of their service and leadership as well as scholarship.

## TCU Core Curriculum Requirements

### [Essential Competencies](#)

[Human Experience and Endeavors \(27 hours\)](#)

[Heritage, Mission, Vision, and Values \(18 hours\)](#)

[TCU Core Curriculum Diagram](#)

### Overview

**The TCU Core Curriculum requirements apply to Freshman students matriculating at TCU in Summer 2005 or later. Students who matriculated at TCU prior to Summer 2005 are subject to the University Curriculum Requirements (UCR). Transfer students matriculating at TCU prior Summer 2007 are also subject to the UCR.**

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### Essential Competencies

#### (12 hours plus 6 hours Writing Emphasis)

Courses in this curriculum are designed to provide a base of skills to ensure students' abilities to communicate clearly and think analytically. Their focus is effective writing, mathematical reasoning, and oral communication. The requirements and competencies are contained in the following table.

Requirements		Competencies: TCU graduates will:
Mathematical Reasoning	3 hours	Be able to reason mathematically.
Oral Communication	3 hours	Articulate thoughts clearly using appropriate verbal and nonverbal communication skills.
Written Communication	3 hours	Write effectively
Written Communication	3 hours	Write effectively
Writing Emphasis	6 hours	Demonstrate the ability to use writing as a means for learning and communicating in a specific discipline.

Writing Emphasis courses may overlay with courses in the Human Experiences and Endeavors Curriculum, the Heritage, Mission, Vision, and Values Curriculum, or with other requirements of a student's degree program. With the exception of Writing Emphasis, no more than two (2) courses in the EC curriculum may be taken from any one (1) area as defined by course prefix.

#### Human Experience and Endeavors (27 hours)

Courses in this curriculum explore significant achievements and discoveries in the Humanities, Fine Arts, Social Sciences and Natural Sciences. The aim is to develop students' knowledge of the human condition and its connections to the good and the beautiful and to the natural and social orders. The requirements and competencies for this curriculum are contained in the following table.

Requirements		Competencies: TCU graduates will:
Humanities	9 hours	Apply methods of humanistic inquiry and construct relevant arguments.

Social Sciences	9 hours	Understand social environments that arise from and influence human interaction.
Natural Sciences	6 hours	Be literate in the natural sciences.
Fine Arts	3 hours	Understand the significance of the fine arts and the importance of creativity through standard coursework and/or applied study.

Courses proposed for the Human Experiences and Endeavors curriculum may also meet the outcomes of a category in the Heritage, Mission, Vision, and Values Curriculum or couple with courses required for the major, minor or general curriculum. *No more than two (2) courses in the HEE curriculum may be taken from any one (1) area as defined by course prefix. In addition, the requirements in the humanities, social sciences and natural sciences, respectively, must be satisfied in at least two (2) different areas as defined by course prefix.*

### Heritage, Mission, Vision, and Values (18 hours)

Courses in this curriculum cultivate the broader skills and awareness associated with TCU's distinctive Heritage, Mission, Vision, and Values. TCU's Heritage is explored via the study of Religious Traditions, Historical Traditions, and Literary Traditions. Similarly, TCU's Mission, Vision, and Values are explored via courses that focus on Cultural Awareness, Global Awareness, and Citizenship and Social Values.

By design, these Heritage, Mission, Vision, and Values categories are not bound to any particular discipline or department. Through a range of disciplinary perspectives, these courses encourage pedagogical innovation and conversation across traditional disciplinary boundaries. The requirements and competencies for this curriculum are contained in the following table.

Requirements		Competencies: TCU graduates will demonstrate:
Religious Traditions	3 hours	A critical understanding of the role of religion in society, culture, and individual life.
Historical Traditions	3 hours	A critical understanding of the processes that create change over time in the human experience.
Literary Traditions	3 hours	An understanding of, and sensitivity to, our shared literary heritage.
Cultural Awareness	3 hours	A critical understanding of cultural phenomena.
Global Awareness	3 hours	Knowledge of trends, issues, and opportunities that impact the global community.
Citizenship and Social Values	3 hours	An understanding of individual rights and responsibilities and an ability to assess critically the intentions and consequences of personal, professional or societal actions.

Courses proposed for the Heritage, Mission, Vision, and Values curriculum may also meet the outcomes of a category in the Human Experiences and Endeavors curriculum or couple with courses required for the major, minor or general curriculum. *No more than two (2) courses in the HEE curriculum may be taken from any one (1) area as defined by course prefix.*

The overlay feature of the TCU Core Curriculum is best captured in a diagram. Please click on the link below to view the TCU Core Curriculum diagram.

### TCU Core Curriculum Diagram

[TCU Core Curriculum Diagram](#) in PDF format.

As can be seen from the diagram, it is possible for students to take courses that will fulfill more than one of the core categories. For example, a Sociology course might simultaneously satisfy the outcomes of Social Sciences and Cultural Awareness. If so, the student taking such a course would receive three credit hours and would satisfy both a Social Sciences and Cultural Awareness requirement.

### NOTES:

Students must complete at TCU

-- the Cultural Awareness, Global Awareness, and Citizenship and Social Values requirements of the HEE Curriculum;

-- 6 hours in Writing Emphasis courses.

# M.J. Neeley School of Business

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## **Overview**

The M.J. Neeley School of Business offers a program of study to prepare its students to contribute to the professional business world and the larger community. The Neeley School emphasizes a unified program of basic studies-humanities, social sciences, natural sciences, mathematics, economics and business. The concept of a balanced curriculum extends to the business studies. Although students may concentrate in a particular field of business, they all study the principles of accounting, ebusiness, finance, entrepreneurial management, information systems and supply and value chain management, and marketing.

A quality curriculum in business fundamentals is of the utmost importance to the Neeley School. The curriculum is developed and implemented by a faculty recognized as scholars and leaders in their respective fields. Regular input is provided by Neeley School corporate partners through advisory groups and frequent classroom visits by executives.

Additionally, the Neeley School seeks to provide its students with the distinctive competencies needed to compete and lead in the business world: effective communication skills, the ability to utilize business technology, an understanding of the global nature of business, and a sense of the value of making ethical business decisions.

The M.J. Neeley School of Business is fully accredited by the American Assembly of Collegiate Schools of Business at both the undergraduate and the graduate levels.

## **Faculty**

The men and women on the faculty represent an array of cultural backgrounds and bring to students a rich variety of academic training, teaching experience, research, consulting, scholarly publication, and business and community service. Several faculty members have authored widely-used texts in the field of business.

Teaching is of primary importance; the most senior professors teach at both the undergraduate and graduate levels. Personal contact with students is encouraged through classes of moderate size. Through the use of audio and visual aids, conferences, business case analysis, software applications, and organizational studies, instructional theory is merged with practical and relevant situations.

Research is an important faculty activity. It enables faculty to stay in the forefront of their respective fields. Research activities feed back into the classroom to ensure that today's students will be prepared for the world as it is when they graduate and as it changes over their careers. Faculty research results have been published in many of the leading academic journals.

One of the real strengths of the Neeley School is its relationship with the business community. Numerous local, regional, national, and international organizations make up a vast network of corporate partners that are committed to accomplishing the goals of the Neeley School.

The Neeley School enjoys many benefits as a result of its corporate relationships, including: internship opportunities, part-time and permanent job opportunities, scholarship support, classroom speakers, and mentors.

Perhaps the most visible members of this network are the Neeley School's International Board of Visitors. This distinguished group of executives from across the globe provides valuable feedback and program support and serves as a vital link between the Neeley School and other corporate constituents.

## **International Initiatives**

The globalization of today's business environment dictates that learning experiences can no longer be compartmentalized into "international" and "domestic" arenas. Consistent with this philosophy, the Neeley School incorporates a global perspective throughout the undergraduate curriculum. Whether the students are studying Money & Banking or Sales Management, they will be challenged to consider the topic with an international perspective.

To assist the Neeley School in achieving this end, we have developed several partnerships with universities in Mexico, France, Germany, and Scotland. Through these partnerships, faculty members from each institution are invited to participate in exchange opportunities, serving as guest lecturers in their area of expertise. New Programs are in development that will offer students and faculty short term reciprocal exchanges with partner institutions during the academic year.

We believe that creating globally-minded business leaders goes far beyond mastering the international perspective of business topics. True appreciation of the global environment requires cultural empathy, knowledge of a variety of

languages and political and geographical awareness. To this end, the Neeley School offers the International Emphasis certification program. Through this program, dedicated students can earn a BBA in the major of their choice with an additional "International Emphasis" designation on their transcript.

In order for students to think globally, they must become physically global. There is no substitute for experience. The Neeley School supports the many study-abroad opportunities available to TCU students, yet goes one step further. Intensive field seminars such as Business-In-Europe (3 weeks), Entrepreneurship in the UK (3 weeks), and Management in Mexico are coordinated by the Neeley Student Resource Center. The goal of these partnerships is to expose Neeley School business students to the realities of the corporate environment in other countries. On-site tours and one-on-one interaction with executives from companies are included in these programs. These tours and interactions enable the programs to move beyond traditional "classroom based" exchanges. Students are required to use local transportation and tour historic sites. Hundreds of Neeley School students and dozens of Neeley School faculty have had the opportunity to experience these unique study abroad programs.

### **Center for Professional Communication**

Through the M. J. Neeley Center for Professional Communication (CPC), the Neeley School offers a unique approach to helping students become proficient in business communication. The Neeley School has been rated consistently as one of the best business schools in the country for the development of strong communication skills.

The Center directs activities in the following initiatives:

*Neeley School Classroom Support* The Center provides assistance to faculty as they incorporate communication skills in their classes. Also, it provides coaching and assistance to students as they develop the business communication skills essential to managerial success.

*CPC Technology Initiative* The Neeley School encourages students to embrace newer communication technologies in an effort to improve efficiency and effectiveness in their business interactions. To that end, the CPC provides the only video conference center devoted to student use.

*CPC Workshops* The CPC offers workshops focusing on specific communication skills such as effective presentations, presentation graphics, dealing with communication anxiety, team writing, listening, intercultural communication, and more.

*Neeley Culture of Communication Excellence* A focus on communication is integrated across the Neeley curriculum so that assignments within all the core and degree areas emphasize communication skills as well as course content. The Neeley School seeks to model outstanding communication in all activities.

Communication resources are housed in the M. J. Neeley Center for Professional Communication, located on the first floor of Charles Tandy Hall. Facilities include videoconference facilities, document cameras to transmit graphic displays, computers adapted for video transmission, and large-screen monitors. The CPC has specially equipped team rooms for classroom recording, practice, teamwork, or private review. The CPC's media station offers specialized graphics software, optical scanning, digital video editing, and over 1000 professional copyright-free business photographs for use in student projects. Selected software training packages are provided by the CPC for business writing improvement, presentation development, and other computer-assisted instruction.

### **Educational Investment Fund**

The Educational Investment Fund is a once-in-a-lifetime opportunity for students to invest real money while still in college. Approximately 18 students manage over two million dollars in assets of the William C. Conner Foundation. The participants in the Educational Investment Fund do intensive analysis of stocks and bonds and make buy and sell decisions.

The experience gained in the program is comparable to a year's work experience in the eyes of many potential employers and places the TCU graduate in an extremely advantageous job-search position. Hundreds of TCU students have participated in this program over the last 25 years and these ex-members represent a world-wide network of potential contacts for current members.

### **Special Scholarships and Awards**

For students in accounting, the Accounting Excellence Award of the Texas Society of Certified Public Accountants and the TCU Accounting Department Award for Distinguished Service are granted each spring to outstanding graduating seniors. The Robin Elisa Boyer Memorial Scholarship and the Robert Schumacher Scholarship are awarded annually to seniors entering the Master of Accounting (Mac) Program. Outstanding junior accounting majors may be granted a Petroleum Accountants Society Award, a Deloitte & Touche Award, or the Institute of Management Accountants Award.

The Entrepreneurial Management Department presents three awards annually to outstanding Entrepreneurial Management majors: the Senior Scholar Award based on GPA and leadership contributions, the Outstanding Management Student Award for Leadership and Service sponsored by Texas Industries, Inc. and the Barbara J. Snell Award for Outstanding Leadership sponsored by the North American Mortgage Company.

The E-Business Program makes awards annually to outstanding students majoring in E-Business: the Senior Scholar Award based on GPA and leadership contributions and the Outstanding E-Business Student Award.

The Marketing Department grants eight awards annually to outstanding students: Marketing Senior Scholar Award (highest GPA), Outstanding Marketing Student Award (best overall marketing student), the Hoechst Marion Roussel Sales Management Award, the Earl Dyess Award, the International Marketing Scholar Award, the DSS Research Marketing Research Award (to a student with a strong interest in marketing research), the Marketing Application Project (for student contribution and leadership in the annual class promotional event) and the Marketing Department Excellence Award (student contribution to the field of marketing). Additionally, the TCU chapter of the American Marketing Association sponsors an award for students who demonstrate marketing leadership skills.

The Finance Department recognizes the senior who best exemplifies the ideal of an outstanding finance major with the Achievement Award of The Wall Street Journal. The Fort Worth Mortgage Bankers Association Award is given to

a senior pursuing a career in real estate. The Finance Department also awards the "Professor's Award" for excellence in Finance. Additionally, a student is selected from among those participating in the Educational Investment Fund during the past academic year for the Outstanding Educational Investment Fund Student Award.

Awards given by student groups include the Delta Sigma Pi Scholarship Key.

### Organizations

**Alpha Sigma Gamma International Real Estate Society.** The purpose of this society is to recognize and reward superior academic performance in the estate and real estate curricula, to encourage research and teaching in real estate and related fields, and to recognize individuals in real estate and related business areas who exemplify the intelligent and ethical application of real estate knowledge. Student membership is open to undergraduate and graduate students meeting specific academic criteria.

**American Marketing Association.** The TCU Collegiate Chapter of the American Marketing Association is open to all students. The club helps bridge the gap between marketing theory and practice. The club meets every other week, bringing in top companies and recruiters as speakers.

**Beta Alpha Psi.** The purpose of Beta Alpha Psi, national student accounting honor society, is to encourage and foster the ideal of service as basic to the accounting profession; to promote highest ethical standards in the study of accountancy; to develop high moral, scholastic and professional attainments in its members; and to encourage cordial relationships among its members and the accounting profession generally. Students are invited on the basis of scholarship.

**Beta Gamma Sigma.** This national honor society for business students encourages and rewards scholarship and accomplishment among students, promotes education in business, and fosters integrity in the conduct of business operations. Only the top seven percent of juniors and the top ten percent of seniors are invited to join.

**Collegiate Entrepreneurs Club.** CEO! Empowers students through leadership training, professional development, and commitment to the discipline of entrepreneurship. There are on-campus chapter meetings, interesting guest speakers, social gatherings, and a monthly newsletter. Students may attend the national conference and participate in a new business idea competition.

**Delta Sigma Pi.** TCU's chapter of this international fraternity tries to establish closer ties between the business world and the student. Its objectives are to promote a higher standard of business ethics, and to further the civic and commercial welfare of the community. The chapter takes various field trips to industries and sponsors speakers and panels.

**Electronic Business Association.** The mission of the EBA is to further the educational development of undergraduate Electronic Business majors through association with other students, faculty members, potential employers and other influential members of the community, thus cultivating a unified body of students and alumni.

**Financial Management Association.** For students with an interest in finance and related fields, the Financial Management Association provides a means of obtaining career information and access to business executives and faculty.

**Students in Free Enterprise (SIFE).** SIFE is a global, non-profit organization that allows students the opportunity to develop leadership, teamwork and communication skills through learning, practicing and teaching the principles of free enterprise, thereby improving the standard of living for millions in the process. SIFE teaches important concepts through educational outreach projects, including market economics, entrepreneurship, personal and financial success, and business ethics to better themselves, their communities and their countries. Each year, SIFE competitions are held worldwide, drawing together thousands of students and business leaders to pay tribute to these extraordinary educational outreach projects.

**Student Organization for Supply Chain Studies.** SOSCS provides students with a forum to discuss issues that affect business, promotes interaction and networking opportunities with supply chain executives, and provides the opportunity to meet and socialize with fellow students pursuing a similar career path.

**Society for Human Resource Management.** The TCU Student Chapter of the Society for Human Resource Management provides students an opportunity to learn more about the practice of management, and in particular, human resource management. The chapter hosts guest speakers, takes field trips, and attends regional and state professional meetings. The chapter also hosts workshops and panels on a variety of current management topics for the benefit of the entire student body.

### Academic Policies

#### Admission to Neeley School Upper Division Courses

To declare a business major, all pre-business students must formally apply for admission to upper division business courses. Students will typically apply in their sophomore year for admission to upper-level courses (most 30000-level or above) in their junior year. All TCU students, (not previously admitted to TCU as pre-business) or students transferring to TCU who wish to become pre-business students or business majors, must contact the Neeley Student Resource Center regarding admission policies, procedures, and deadlines. Admission is competitive, limited, and not guaranteed.

#### Academic Advising

All business students in the Neeley School are assigned an academic advisor by the NSRC. The Neeley Student Resource Center is open daily to answer the questions of all prospective and continuing students in the Neeley School. The NSRC coordinates advising, monitors academic progress of students, receives academic appeals, processes all transfer coursework, handles the changing of majors within the Neeley School, works with CLEP Test applications, directs study abroad procedures and Neeley School international programs, and audits intent to graduate forms for graduating business majors. In addition the NSRC coordinates the admission process to the

Neeley School of Business.

### **Pass/No Credit Option**

Pre-business students or business majors may take up to 6 semester hours of courses on a pass/no credit basis. However, upper division business courses (30000-40000 level) may not be taken on a pass/no credit basis and applied to the BBA degree, unless the course is taught only on a pass/no credit basis. Students minoring in business are subject to the pass/no credit option policies of their major department.

### **Course Prerequisites**

Course prerequisites include admission to the Neeley School as a business major, class standing, previous coursework, demonstrated computer skills competency, grades in previous coursework, and/or permission of the instructor. All course prerequisites should be observed and followed when enrolling in a course. The ultimate responsibility for knowing the prerequisite for a course lies with the student and is noted in this Bulletin. Course prerequisites are noted in the Courses of Instruction section of this Bulletin, and are listed on the TCU Registrar's web page <http://www.reg.tcu.edu>.

### **Transfer Policies**

#### **Review Process for Transfer Applicants into the Neeley School**

Transfer students must first become pre-business students. Approval is limited and is not automatic, and admission to TCU does not guarantee the student admission as a pre-business student. Transfer students should contact the NSRC regarding transfer credits and specific transfer student requirements and guidelines for admission to the Neeley School. Admission is competitive and approval is not automatic. Upon acceptance into the Neeley School as a business major, the student may begin taking Upper Division Business courses.

#### **Continuing TCU Students Who Want to Transfer Credit From Other Institutions**

Continuing TCU students will sometimes take courses at other universities and then transfer those credits to TCU. TCU requires **prior** written approval of the NSRC to take courses at another school for application to a student's BBA degree. Course credit will not be transferred into the Neeley School if prior approval by the NSRC has not been obtained.

Once a student is in the Neeley School, all business **Lower Division Sequence Requirements** courses, **Upper Division Business Core** and **Major Course Requirements** must be taken at TCU.

### **Non-Availability of Evening Programs**

Although the Neeley School does offer some courses in the evening, an evening-only program is not available. Students wanting to take only evening courses should be aware that all required courses may not be offered during the evening.

### **Certification for Business Teaching**

The M.J. Neeley School of Business cooperates with the School of Education by offering business courses for the academic specialization requirements for certification of high school business teachers. More information is available through the School of Education.

### **Three-Two Program**

Available only to TCU undergraduates in participating TCU colleges and schools, the Three-Two Program allows students to combine a bachelor's degree in a non-business field with the Master of Business Administration (MBA) in only five years.

Students spend their first three years in the AddRan College of Humanities and Social Sciences, College of Science and Engineering, College of Communication, or College of Fine Arts completing the TCU Core Curriculum requirements and the requirements of an approved major. By the end of their third year, Three-Two Program students must complete at least 100 hours in non-business courses, including sufficient coursework in mathematics to satisfy the MBA Program prerequisites. To be considered for admission to the MBA program, Three-Two Program participants must submit the usual MBA application during their third year of study, including scores for the GMAT (Graduate Management Admission Test). Only Three-Two candidates demonstrating superior undergraduate academic performance and strong GMAT scores will be considered for admission.

If admitted to the MBA Program, the student completes the first 27 semester hours of the MBA program during the fourth year of study. These courses apply to both the undergraduate degree and toward the MBA degree. Candidates should work with their undergraduate academic advisors to determine how the courses will apply to the undergraduate degree (electives, minor requirements, area of emphasis, etc.). At the end of the fourth year, assuming that all other graduation requirements are met, the student earns his or her undergraduate degree. During the fifth year the student completes the remaining 27 semester hours of MBA courses.

### **Academic Appeal Process**

A student seeking an exception from any policy stated in this Bulletin should submit a formal appeal to the director of the NSRC for consideration. The Neeley School regards the appeal to be a professional communication and will review it based on that expectation. Please contact the NSRC for more information regarding the appeal process.

### **Courses of Instruction**

**ACCT 20153 Principles of Financial Accounting.** 3 hours. Prerequisites: Sophomore standing. A study of the elementary concepts of financial accounting, emphasizing the measurement, recording and reporting of financial information according to generally accepted accounting principles.

**ACCT 20163 Principles of Managerial Accounting.** 3 hours. Prerequisite: ACCT 20153, and sophomore standing. Basic measures, techniques and approaches used by decision makers within both profit-making and not-for-profit organizations. Accounting and economic concepts of cost are studied in relation to performance measurement, planning, and both long- and short-term planning and decision-making, as are the common systems of product costing.

**ACCT 30153 Intermediate Financial Accounting I.** 3 hours. Prerequisites: ACCT 20163 and at least a "C" grade in 20153 and 20163, and must be a Business major or minor. In-depth study of the theory, principles, and procedures of the measurement, recording, and reporting of financial accounting information according to generally accepted accounting procedures. Intermediate I focuses on assets and their related income counterparts.

**ACCT 30163 Cost Accounting.** 3 hours. Prerequisite: ACCT 20163 and at least a "C" grade in 20153 and 20163, and must be a Business major. Cost accounting fundamentals, the use of standard costs and budgets for planning and controlling operations, and use of cost information for special decisions and long-range planning. Spring only.

**ACCT 30253 Intermediate Financial Accounting II.** 3 hours. Prerequisites: ACCT 30153 and at least a "C" grade in ACCT 20153, 20163, and 30153, and must be a Business major. In-depth study of the theory, principles and procedures of the measurement, recording, and reporting of financial accounting information according to generally accepted accounting procedures. Intermediate II focuses on equities and the related asset and income counterparts.

**ACCT 30303 Introduction to Federal Taxation.** 3 hours. Prerequisites: ACCT 20153, and must be a Business major. A technical examination of current federal income tax provisions with primary emphasis given to the taxation of individuals and secondary emphasis afforded the taxation of other entities. Designed to provide accounting majors with the knowledge and skills required to successfully evaluate the specific income tax implications of various fact situations.

**ACCT 40003 Senior Honors Research Paper.** 3 hours. Prerequisite: Honors Section of MANA 30153, and must be a Business major. Preparation of a research paper in the student's area of concentration in business under the direction of an assigned staff member.

**ACCT 40013 Professional Accounting Internship.** 3 hours. Prerequisites: senior standing and admission to the MAc Program, and must be a Business major. A full-time internship with a public accounting firm, corporation, or governmental agency allowing the student to gain professional experience that will help integrate the theory and practice of accounting.

**ACCT 40153 Advanced Accounting.** 3 hours. Prerequisites: ACCT 30253, at least a "C" grade in ACCT 20153, 20163, 30153, and 30253 and senior standing, and must be a Business major. Intensive study of financial accounting focusing on special entity issues, such as proprietorships, partnerships, not for profit organizations, branch operations, and consolidation procedures, including foreign operations. Fall only.

**ACCT 40223 Information Systems and Control.** 3 hours. Prerequisites: ACCT 30153, INSC 20263. At least a grade of "C" in each prerequisite course, and must be a Business major. Systems analysis methodology and current developments in computer-based management information systems. Special emphasis is placed on subsystems relating to accounting information and the concepts of internal control as they relate to the design and audit of accounting information systems. Fall only.

**ACCT 40273 Introduction to Auditing.** Prerequisite: ACCT 40223 with a grade of 'C' or better. Auditing theory, practice, and procedures as applied to the problems of typical financial audits, with special emphasis on the integrated audit of both financial statements and internal controls and compliance with current legislation governing the audit and financial reporting process. Additional consideration is given to understanding relationships with clients, audit documentation, and preparation of audit reports.

**ACCT 40970 Special Problems in Accounting.** (1-6 semester hours) This course may be repeated for credit, and must be a Business major.

**BUSI 10013 Contemporary Perspectives in Business.** 3 hours. Prerequisite: 54 hours or less. Provides an overview of the theories, principles, practices and institutions that produce the goods and services and create most of the economic activity in modern societies.

**BUSI 10173 Foundations in Business.** 3 hours. Prerequisite: 15 credit hours earned. This course will provide business majors with key fundamental skills necessary for success in upper division business courses as well as a career in business. Topics to be covered include: career aptitude assessment, job search skills, business research & writing skills, business history, teaming skills and interdependence of business functional areas.

**BUSI 10970 Special Topics in Business.** Special Topics in Business. (1-6 semester hours) This course may be repeated for credit.

**BUSI 20153 Ethical Decision Making.** Prerequisites: Sophomore standing, MANA 20153. This course will provide business majors with awareness of ethical issues likely to be encountered in a business context and understanding of the ethical frameworks and tools available to address ethical issues in business. One key focus will be on applying those frameworks to resolve ethical conflicts in business.

**BUSI 20970 Special Topics in Business.** Special Topics in Business. (1-6 semester hours) This course may be repeated for credit.

**BUSI 30833 Foundations of Leadership.** 3 hours. Prerequisite: BUSI 20153 with grade of "C" or better, and must be a Business major. Changes in the business environment have underscored the vital role that effective leadership plays in not only helping organizations survive, but to be self-determining and prosperous as well. This course is designed to help students learn both about leadership and about how to be more effective as a leader of others.

**BUSI 30843 Interpersonal Leadership Skills.** 3 hours. Prerequisite: BUSI 30833 with a grade of at least "C," and must be a Business major. A developmental approach to building skills essential for effective leadership of individuals in today's organizations. This course will focus on cultivating such skills as self-awareness, stress and time management, empowerment and delegating, communication and listening, performance coaching and



counseling, motivation, feedback and discipline, and responding to conflict. Learning through discussion, active application, and experiential exercises will be emphasized.

**BUSI 40010 Business Internship.** 3 hours. Prerequisites: Completion of Neeley School lower division core and permission of instructor. Students gain practical exposure to business through participation in an internship in a business or community organization. Emphasis is placed on the development of applied skills in one or more of the business disciplines. Students learn about organizational realities and work demands.

**BUSI 40833 Team Leadership Skills.** 3 hours. Prerequisites: BUSI 30833 with a grade of at least "C," and must be a Business major. A developmental approach is taken in this course to build critical skills that support effective team leadership in today's organizations. This course will focus on introducing and cultivating skills such as team building, group process facilitation, dialogue, meeting management, and conflict resolution. Learning through active application and experiential exercises will be emphasized.

**BUSI 40843 The Leadership Challenge.** 3 hours. Prerequisites: A business major, and BUSI 30843, and BUSI 40833 with at least a grade of "C" and departmental permission. This course is the capstone for the Leadership Emphasis program. It will cover content associated with what it takes to successfully lead change efforts. As such, it will cover topics such as overcoming complacency, creating and communicating new direction, development support for leadership initiatives, dealing with resistance, among others. In addition, students will be given a "leadership challenge" in an assigned field placement where they will be expected to use what they've learned in leadership courses to lead a project to a successful completion. Class sessions will help students relate their field experience to topic coverage in this course as well as to other courses in the Leadership emphasis program.

**BUSI 40970 Special Problems in Business.** Special Problems in Business

**BUSI 50833 Team Leadership Skills.** 3 hours. Prerequisites: BUSI 30833 with a grade of at least "C," and must be a Business major. A developmental approach is taken in this course to build critical skills that support effective team leadership in today's organizations. This course will focus on introducing and cultivating skills such as team building, group process facilitation, dialogue, meeting management, and conflict resolution. Learning through active application and experiential exercises will be emphasized.

**BUSI 50843 The Leadership Challenge.** 3 hours. Prerequisites: A business major, and BUSI 30843, and BUSI 40833 with at least a grade of "C" and departmental permission. This course is the capstone for the Leadership Emphasis program. It will cover content associated with what it takes to successfully lead change efforts. As such, it will cover topics such as overcoming complacency, creating and communicating new direction, development support for leadership initiatives, dealing with resistance, among others. In addition, students will be given a "leadership challenge" in an assigned field placement where they will be expected to use what they've learned in leadership courses to lead a project to a successful completion. Class sessions will help students relate their field experience to topic coverage in this course as well as to other courses in the Leadership emphasis program.

**FINA 1110 High School Investor Challenge.** High School Investor Challenge

**FINA 10433 The Contemporary Investor: Freshman Seminar in Finance.** Freshman Seminar in Finance.

**FINA 30153 Financial Management.** 3 hours. Prerequisite: Two semesters of accounting and junior standing, and must be a Business major or minor. Decision making in the financial environment. Emphasis on the acquisition and optimum management of funds. The relationship between financial management and economics, accounting, law and various functional areas of business is stressed. Working capital management, capital budgeting, short- and long-term financing, investment analysis and related topics.

**FINA 30203 Money and Banking.** 3 hours. Prerequisite: ECON 10223 and 10233, and prior or concurrent enrollment in FINA 30153, and must be a declared Business major. Nature, function, and operations of our money and banking system. Modern monetary and banking theory, monetary policy, and their relationship to domestic and international economic and financial problems and issues. Also listed as Economics.

**FINA 30213 Investments I.** 3 hours. Prerequisite: FINA 30153 with a grade of at least "C," and must be a declared Business major. Investment management from the perspective of the individual investor. Financial analysis of stocks, bonds, and other financial instruments. An examination of the securities markets and the trade-off between risk and return. Attention to contemporary investment problems.

**FINA 30233 Investments II.** 3 hours. Prerequisites: FINA 30153 and FINA 30213 with a grade of at least "C" in each course, and must be a Business major. A survey of the development and economic functions of options and futures and their markets. Includes development of pricing models, trading strategies, and portfolio management considerations.

**FINA 30303 Insurance.** 3 hours. Prerequisite: Must be a Business major. Fundamentals of major types of insurance, including life, fire, accident and health, automobile, worker's compensation, transportation, and fidelity and surety bonds. Designed to acquaint the student with the general principles of insurance and their application to personal and business situations.

**FINA 30313 Real Estate Principles.** 3 hours. Prerequisite: Must be a Business major. Introduction to real estate principles and practices, activities of real estate brokers and operators, transfer of real property and real estate securities, essentials of real estate law, practices incidental to ownership and control of real property.

**FINA 30623 Real Estate Valuation.** 3 hours. Prerequisite: Must be a Business major. Theory, methods and principles of valuation; cost, market and income approaches to value; the appraisal process applied both to residential and commercial property.

**FINA 40003 Senior Honors Research Paper.** 3 hours. Prerequisite: Honors Section of MANA 30153, and must be a Business major. Preparation of a research paper in the student's area of concentration in business under the direction of an assigned staff member.

**FINA 40153 Advanced Financial Management.** 3 hours. Prerequisite: FINA 30153 and FINA 30203 and credit for, or concurrent enrollment in FINA 30233, and must be a Business major. An advanced course in the application of the theory of corporate finance to real problems in business. Taught primarily by the case method, topics include financial analysis and planning, forecasting the financial needs of a firm, capital expenditure analysis, capital structure and distribution policies, merger and acquisition analysis, and corporate restructuring. Emphasis is placed on the

effects of the firm's financial and operating decisions on the value of the firm's securities in financial markets.

**FINA 40183 Educational Investment Fund.** 3 hours. Prerequisite: FINA 30153 and FINA 30213, and must be a Business major. Admission by approval of the dean of the Neeley School. Participation in the operation of the Educational Investment Fund student-managed investment portfolio.

**FINA 40193 Educational Investment Fund.** 3 hours. Prerequisite: FINA 30153 and FINA 30213, and must be a Business major. Admission by approval of the dean of the Neeley School. Participation in the operation of the Educational Investment Fund student-managed investment portfolio.

**FINA 40313 Management of Financial Institutions.** 3 hours. Prerequisite: FINA 30153 and 30203 with a grade of at least "C" in each course, and must be a Business major, or consent of instructor. Problems of commercial banks and financial institutions, primarily from the perspective of the management of an individual institution, with emphasis on formulating appropriate policies concerning the asset, liability, and capital management of the firm.

**FINA 40533 Topics in Applied Financial Analysis.** Prerequisites: FINA 30213, and must be a Business major. This course is a comprehensive course integrating fundamental topics related to financial analysis. Specific topics include ethics, economics, financial statement analysis, corporate finance, quantitative methods, portfolio management, equity analysis, fixed income analysis, and derivatives.

**FINA 40603 Real Estate Law.** 3 hours. Prerequisite: MANA 20153 and FINA 30313 with a grade of at least "C" in each course, and must be a Business major, or consent of instructor. Acquisition and transfer of property; rights of adjoining owners; mortgages and liens; abstracts of title; recording; drafting of deeds, leases, mortgages, options. Especially for real estate salesmen and brokers, owners, tenants.

**FINA 40613 Real Estate Finance and Investment Analysis.** 3 hours. Prerequisite: FINA 30153 with a grade of at least "C," and must be a Business major, or consent of instructor. Investment value based on the present value of expected cash flows. Includes computer applications, the current income tax laws for real estate, mortgage law, sources of real estate credit including primary and secondary markets, government programs, and mortgage loan underwriting.

**FINA 40623 International Finance.** 3 hours. Prerequisite: FINA 30153 and FINA 30203 with a grade of at least "C" in each course, and must be a Business major, or consent of instructor. The international monetary system; speculation, hedging and arbitrage in foreign exchange and financial markets; financial management of the multinational firm; Eurocurrency and capital markets; and international banking.

**FINA 40970 Special Problems in Finance.** (1 - 6 semester hours) This course may be repeated for credit.

**INSC 10013 Business on the Web.** Prerequisites: None. Students who have completed INSC/EBUS 30713 will not be given credit for this class. Through lecture, hands-on, and interactive activities, this course examines the basics, tools, and other important issues surrounding the development of a company on the web. The students will use software to gain knowledge and experience with the Internet and create a web presence.

**INSC 10533 Freshman Seminar in EBusiness.** Prerequisites: Open to entering freshmen only. Topics may vary each time it is offered.

**INSC 20153 Statistical Analysis.** 3 hours. Prerequisite: MATH 10283 or 10524. Basic statistical theory used in analysis and interpretation of numeric data. Topics covered include descriptions of frequency distributions, determination of discrete and continuous probabilities, estimation and tests of hypotheses, time series analysis, and regression and correlation analysis.

**INSC 20263 Information Systems in an eEnterprise.** 3 hours. Prerequisites: Sophomore standing. This course focuses on the planning, development and implications of business information systems. Emphasis is on information technology in a network environment.

**INSC 30153 Manufacturing and Service Operations Management.** 3 hours. Prerequisites: INSC 20153 or equivalent and junior standing, or consent of the instructor, and must be a Business major or minor. Develops concepts and analytical skill to address the issues related to the creation and distribution of goods and services. Emphasizes the role of operations function as a competitive weapon and examines how operations strategy can be integrated with the corporate strategy and other functional strategies. Discusses the increasingly important role of global competition, technology, and total quality. Other topics include process design, capacity, planning, technology choice, planning and inventory control, and just-in-time systems. Technology is emphasized.

**INSC 30313 Supply Chain Management.** 3 hours. Prerequisites: INSC 20153 or equivalent, junior standing, and must be a Business major or minor. Examines major tools and concepts associated with supply chain management (SCM). Topics include sourcing and procurement, demand forecasting, inventory management, information systems, SC operations, logistics and transportation. (Credit not awarded for INSC 30153 and INSC 30313.)

**INSC 30353 Regression Analysis.** 3 hours. Prerequisite: INSC 20153 or equivalent, and must be a Business major. Simple and multiple linear regression analysis. Applications to business and economics. Additional topics include residual analysis, regression diagnostics, use of dummy variables, analysis of variance, and time series regression. Use of computer statistical packages is stressed.

**INSC 30713 e-Business Programming and Applications.** 3 hours. Prerequisites: INSC 20263 with a grade of "C" or better; INSC 10013 with a grade of "C" or better, or concurrent enrollment, and must be a Business major. Students will be introduced to various programming languages that are pertinent to the building of web-based information systems. Through a hands-on approach they will apply these eBusiness technologies to solve eBusiness problems. This course may not be taken pass/fail.

**INSC 30723 e-Business Planning.** 3 hours. Prerequisites: INSC 20263 with a grade of "C" or higher; INSC 10013 with a grade of "C" or higher, or concurrent, and must be Business major, or by departmental permission. Students will learn how to analyze a business, division, or department for a Web presence. They will investigate how the eBusiness fits into the traditional roles for a business or industry. They will consider how the Internet impacts the business. Students will also apply communication skills (written, face-to-face, and presentation) in this course.

**INSC 30823 Data for eBusiness.** 3 hours. Prerequisites: INSC 30713 with a grade of "C" or better and INSC 30723 with a grade of "C" or better, and must be a Business major. Students will learn database principles. They will

also be exposed to eBusiness data management concepts, such as data warehousing, the use of consumer data for marketing, the availability of financial data on the Internet, and data and information reporting.

**INSC 30833 eBusiness Development.** 3 hours. Prerequisites: INSC 30713 with a grade of C or better; INSC 30723 with a grade of C or better; and must be a Business major. Students will use the results of the eBusiness analysis to design and implement a Web presence. They will learn traditional project management techniques in this process. They should look at several different system development methods possible with eBusiness applications: SDLC, RAD, JAD, etc. Students will use team building, conflict, diversity, conflict resolution and other team applications as appropriate in this course.

**INSC 40003 Senior Honors Research Paper.** 3 hours. Prerequisite: Honors section of MANA 30153, and must be a Business major. Preparation of a research paper in the student's area of concentration in business under the direction of an assigned staff member.

**INSC 40013 eBusiness Professional Internship.** 3 hours. Prerequisites: INSC 30823 with a grade of 'C' or better; INSC 30833 with a grade of 'C' or better; senior standing; and must be a Business major. A 320-hour internship with a corporation, a non-profit or governmental agency allowing the student to gain professional experience that will help integrate the theory and practice of information systems. Internships are during the summer following the completion of the prerequisites and must be approved by the department chair or another appointed designee.

**INSC 40303 Demand Planning and Management.** 3 credit hours. Prerequisite: Must be a declared business major; grade of C or better in INSC 30313. This course provides an in-depth study of the processes that balance customer demands with production, procurement, and distribution capabilities. Demand management and planning provides for added flexibility and visibility of inventory, and reduced variability in supply chain outcomes. Core conceptual areas include demand forecasting and management, synchronization of supply and demand, inventory capacity, balancing and positioning, inventory planning, sales and operations planning, and strategic order fulfillment issues.

**INSC 40313 Logistics and Transportation.** 3 credit hours. Prerequisite: Must be a declared Business major; grade of C or better in INSC 30313; concurrent enrollment in INSC 30313 is permitted. Logistics can be defined as "the management of products, services and information flows from the original source of raw materials to the final customer in a manner which produces customer satisfaction and value". This course will cover many aspects of business logistics: supply chain management, demand management, customer service, procurement, inventory management, warehousing, global logistics, transportation and information systems. Logistics and Transportation for many companies have become a source of competitive advantage and this course will explore some of the reasons why.

**INSC 40323 Procurement/Supply Management.** 3 credit hours. Prerequisites: Grade of C or better in INSC 30313, and must be a declared Business major. This course focuses on the key issues related to the strategic implications of sourcing of products, the purchasing of goods and services, and the role of purchasing in a supply chain context. It provides students with an understanding of purchasing processes, issues, and best practices. Emphasis areas include supplier quality, relationship management, and global sourcing.

**INSC 40333 Supply Chain Information Technologies.** 3 credit hours. Prerequisites: Grade of 'C' or higher in INSC 30723 and INSC 30313, and must be a declared Business major. Effective supply chain management is heavily dependent on state-of-the-art analytical tools and information technologies. This course will provide an understanding of supply chain models and practical tools for effective decision making and integrated supply chain management. The emphasis will be on exploring analytical tools and off-the-shelf information technology packages that have been proven effective in multiple industries, and on identifying and understanding implementation and utilization requirements associated with effective application of such tools.

**INSC 40343 Supply Chain Strategy.** 3 credit hours. Prerequisites: Must be a declared Business major; a grade of 'C' or better in INSC 30313, 40313, 40323, 40333, concurrent enrollment in INSC 40333 is permitted. This course serves as the capstone course for a major in supply and value chain management. It provides an in-depth study of the practice of supply chain management in manufacturing and service industries. Supply chain management is the integration of the activities associated with the flow and transformation of goods from the raw materials stage through to the end user, to achieve a sustainable competitive advantage. This course provides insights into the conceptual foundations of supply chain planning and coordination and provides an integrative experience relating strategic concepts and tools to meeting the challenges in the management of supply chains. Topics include management of operations and logistics networks, material flows and the role of information systems technology.

**INSC 40353 Global Supply Chain Management.** Prerequisites: INSC 30313 with a grade of "C" or better, and must be a Business major. Examines critical challenges in managing global supply chains. Topics include the global environment, globalization of the economy, supply chain management in the multinational company, the global transportation system, import/export processes, and risks and challenges of operating across borders and in multiple countries.

**INSC 40803 eEnterprise Architecture.** 3 hours. Prerequisites: INSC 30823 with a grade of C or better; INSC 30833 with a grade of C or better, and must be a Business major. Students will examine the information technology infrastructure necessary to support business functions in organizations. Topics include telecommunications, computer networking, server infrastructure, and staffing requirements.

**INSC 40813 eBusiness Consultancy.** 3 hours. Prerequisites: INSC 40803 with a grade of "C" or better, and must be a Business major. Using a real company, students will undertake consulting projects. They will start with the consultancy phases and complete the project through implementation. While the students are building and implementing the system they will be learning about the newest tools, topics and trends for use in the rapidly changing Internet environment. A team approach will be used to develop creative ideas and observe the processes and factors crucial to a successful eBusiness.

**INSC 40823 E-Business Topics and Trends.** 3 hours. Prerequisites: INSC 40013 with a grade of C or better, and must be Business major. Provides a more advanced inquiry into Electronic Business. This is a continuation of INSC 40813. 3 hours. This is the second of a two-course sequence INSC 40813 and INSC 40823. Using a real company, the first course, INSC 40813 starts the consultancy phases and the second course, INSC 40423 completes the eBusiness analysis phase. While the students are building and implementing in the second semester they will be

learning about the newest tools, topics and trends for use in the rapidly changing Internet environment. This two-semester sequence will allow them the extra time needed to complete the entire process of creating a real corporate Web presence from beginning to end. Students will work in teams that will last the entire two semesters. A team approach will be used to develop creative ideas and observe the processes and factors crucial to a successful eBusiness. The topics and trends section of this course will be constantly changing to reflect the dynamics of the Internet.

**INSC 40970 Special Problems in Information Systems and Supply Chain Management.** Prerequisites: Must be a Business major. Special Problems in Information Systems and Supply Chain Management

**MANA 10533 Interpersonal Influence in Business.** Topics may vary each time it is offered.

**MANA 20153 Legal and Social Environment of Business.** 3 hours. Prerequisite: Sophomore standing. Legal and social aspects of business. Legal aspects and social impacts of common business transactions. The course is designed to assist the future businessman in the design and implementation of policies within the legal and social framework and to create awareness of the government pitfalls which would require professional advice.

**MANA 20970 Special Problems in Management.** (1-6 semester hours) This course may be repeated for credit.

**MANA 30153 Organizational Management.** 3 hours. Prerequisite: Junior standing, and must be a declared Business major or minor. Tasks of the manager are studied in the context of his/her role as an administrative decision maker. Emphasis placed on understanding the organization as a system where the manager needs to examine a variety of variables in order to arrive at problem solutions. Management processes, system concepts, models for decision making, and behavioral concepts involving motivation, leadership, group activity, conflict and change are covered.

**MANA 30203 Human Resource Management.** 3 hours. Prerequisite: MANA 30153 with a grade of at least "C," and must be a Business major. The philosophy and major questions of policy in human resource management. Specific techniques, including job analysis, recruitment, selection, equal employment opportunity, training, performance appraisals; discipline, compensation, collective bargaining, and industrial relations are introduced to illustrate current practice, and are related directly to questions of policy or objectives.

**MANA 30533 Introduction to Entrepreneurship.** 3 hours. Prerequisites: must be a Business major. Offers a broad overview of different topics in entrepreneurship with particular emphasis on opportunity recognition and entrepreneurial entry methods. This course is a prerequisite for more advance entrepreneurship studies.

**MANA 30833 Foundations of Leadership.** 3 hours. Prerequisite: BUSI 20153 with grade of "C" or better, and must be a Business major. Changes in the business environment have underscored the vital role that effective leadership plays in not only helping organizations survive, but to be self-determining and prosperous as well. This course is designed to help students learn both about leadership and about how to be more effective as a leader of others.

**MANA 30843 Interpersonal Leadership Skills.** 3 hours. Prerequisite: BUSI 30833 with a grade of at least "C," and must be a Business major. A developmental approach to building skills essential for effective leadership of individuals in today's organizations. This course will focus on cultivating such skills as self-awareness, stress and time management, empowerment and delegating, communication and listening, performance coaching and counseling, motivation, feedback and discipline, and responding to conflict. Learning through discussion, active application, and experiential exercises will be emphasized.

**MANA 40003 Senior Honors Research Paper.** 3 hours. Prerequisite: Honors Section of MANA 30153, and must be a Business major. Preparation of a research paper in the student's area of concentration in business under the direction of an assigned staff member.

**MANA 40123 Managing the Emerging Venture.** 3 hours. Prerequisites: ACCT 20153, ACCT 20163, MARK 30153, MANA 30153, with a grade of at least a "C" in MANA 30153, and must be a Business major. Includes coverage of aspects involved in operating a small business including accounting, financial controls, management and human resource practices, marketing and customer development, production, service level quality, and legal issues.

**MANA 40143 New Venture Planning.** Prerequisites: MANA 30533 (40133) and FINA 30153 with at least a grade of "C," and must be a Business major. Students will work through the process of developing a business plan for an entrepreneurial venture. The focus is on strategic assessment and preparing plans capable of attracting necessary financing for new entrepreneurial ventures.

**MANA 40153 Strategic Management.** 3 hours. Prerequisite: Senior standing, Business major, MANA 30153, MARK 30153, FINA 30153, and INSC 30153. Students are strongly encouraged to enroll in this class during their final two semesters before graduation. This is the final integrating course for the senior business student. The policies and problems of management with respect to coordination of production, finance, marketing, human resources and accounting in a going concern under conditions of uncertainty.

**MANA 40163 Ventures in Transition.** 3 hours. Prerequisites: A business major and MANA 30533 with at least a grade of "C". This course examines the changes likely to affect an entrepreneurial venture as it matures. The focus of the course is on how to effectively manage the growth of an entrepreneurial venture. Other implications of growth will also be discussed, such as changes in the strategy of the venture, performance downturns, sale or liquidation of the business, acquisition of another business, and initial public stock offerings.

**MANA 40223 Cross-Cultural Management.** 3 hours. Prerequisite: MANA 30153 with a grade of at least "C," and must be a Business major. Cross-cultural management knowledge and skills. Understanding and managing culturally based differences and similarities within and between multinational enterprises in the contemporary world. Topics include culture, legal/political structures, ethics/social responsibility, communication, negotiation, expatriation/repatriation, trade agreements, and workforce leadership.

**MANA 40753 Managing Business Ethics.** 3 hours. Prerequisites: MANA 30153 with a least a grade of "C", and must be a declared business major. This course addresses ethical conduct and social responsibility in organizations. A multi-level approach to ethical decision-making is explored. Students will apply individual, managerial, and organizational analyses to ethical dilemmas faced in the conduct of business.

**MANA 40833 Team Leadership Skills.** 3 hours. Prerequisites: BUSI 30833 with a grade of at least "C," and

must be a Business major. A developmental approach is taken in this course to build critical skills that support effective team leadership in today's organizations. This course will focus on introducing and cultivating skills such as team building, group process facilitation, dialogue, meeting management, and conflict resolution. Learning through active application and experiential exercises will be emphasized.

**MANA 40843 The Leadership Challenge.** 3 hours. Prerequisites: A business major, and BUSI 30843, and BUSI 40833 with at least a grade of "C" and departmental permission. This course is the capstone for the Leadership Emphasis program. It will cover content associated with what it takes to successfully lead change efforts. As such, it will cover topics such as overcoming complacency, creating and communicating new direction, development support for leadership initiatives, dealing with resistance, among others. In addition, students will be given a "leadership challenge" in an assigned field placement where they will be expected to use what they've learned in leadership courses to lead a project to a successful completion. Class sessions will help students relate their field experience to topic coverage in this course as well as to other courses in the Leadership emphasis program.

**MANA 40970 Special Problems in Management.** (1-6 semester hours) This course may be repeated for credit.

**MARK 10533 Freshman Seminar in Business: Interpersonal Influences in Business.** 3 hours. Prerequisite: First semester freshman only. Developing interpersonal influence skills for business. Includes coverage of interpersonal skills involved in personal selling, leadership, and management. Specific components include fundamentals of selling, the value of selling, making a sales presentation, leadership styles, building consensus, building commitment, team building, conflict resolution, negotiation, and ethical issues of interpersonal influence.

**MARK 30153 Marketing Management.** 3 hours. Prerequisite: Sophomore standing, and must be a Business major or minor. The processes in our society by which needs and wants of consumers are anticipated and satisfied. An examination of a systems approach to and analysis of the movement of goods from the point of production to the point of consumption.

**MARK 30253 Selling and Sales Management.** 3 hours. Prerequisite: Grade of "C" or higher in MARK 30153, and must be a Business major. An examination of the basic principles involved in personal selling and the administration of this function in the organization. Emphasis is placed on the sales executive's job, the duties and responsibilities, and the various roles played as an important participant in the making of marketing decisions.

**MARK 40003 Senior Honors Research Paper.** 3 hours. Prerequisite: Honors Section of MANA 30153; MARK 30153 with a grade of at least "C," and must be a Business major. Preparation of a research paper in the student's area of concentration in business under the direction of an assigned staff member.

**MARK 40113 Marketing Research.** 3 hours. Prerequisites: Grade of "C" or higher in MARK 30153; INSC 20153, and must be a Business major. Obtaining market information; orientation in use of information gathered; role of management in initiating market studies and in defining problems; types of research; research design; questionnaire construction; sampling; analysis; motivation research; and product research.

**MARK 40123 Marketing Planning.** 3 hours. Prerequisites: Grade of "C" or higher in MARK 30153, MARK 30233, and must be a Business major. An advanced course in the management of the marketing program. Emphasis is placed on marketing planning, implementation and control. Products goods and services, distribution, price and promotion decisions are examined. Decision analysis concepts are applied using examples and application exercises. The course integrates the various activities of an organization that are used to gain competitive advantage by achieving higher levels of customer satisfaction.

**MARK 40203 Marketing Strategy.** 3 hours. Prerequisites: Grade of "C" or higher in MARK 30153 and successful completion of MARK 30233, MARK 40123 or concurrent enrollment in MARK 40123; senior standing, and must be a Business major. Taught primarily through case analysis, the emphasis is on the analysis, planning, implementation and control of marketing systems, policies, programs and actions in domestic and international settings. (May be taken concurrently with Mark 40123.)

**MARK 40213 International Marketing.** 3 hours. Prerequisites: Grade of "C" or higher in MARK 30153; MARK 30233 or concurrent enrollment in Mark 30233, and must be a Business major. This course introduces the field of international marketing and provides a broad perspective from which to explore and examine various aspects of what changes when firms compete internationally. Half the course focuses on unique aspects of the international marketing environment; half concentrates on how the marketing mix is affected by the globalization of markets and competitors.

**MARK 40223 Services Marketing.** 3 hours. Prerequisite: Grade of "C" or higher in MARK 30153; senior standing, and must be a Business major. The primary objective of this course is to prepare students to be successful marketers in an increasingly service-oriented economy. The course is designed to help students understand the unique characteristics of services, the marketing challenges created by these characteristics, and effective ways to address these challenges. Examines marketing strategies unique to public and private, for-profit and not-for-profit services marketing organizations.

**MARK 40303 Principles of Retailing.** 3 hours. Prerequisite: Grade of "C" or higher in MARK 30153, and must be a Business major. Operation of retail stores with particular attention to store location, arrangement, merchandise classification, store organization, personnel, buying, selling, and controlling stock, operating activities, expense control, budgeting, and problems of general policy.

**MARK 40700 Marketing Study Abroad.** 3 hours. Prerequisite: MARK 30153 and permission of instructor, and must be a Business major. An intensive, on-site study of marketing practices abroad. Sites include Europe and Mexico. This course may be repeated for credit.

**MARK 40970 Special Problems in Marketing.** 1-3 hours. Prerequisites: Grade of "C" or higher in MARK 30153; overall and major GPA of 2.5 or higher; permission of instructor and chairperson, and must be a Business major. This course may be repeated for credit.

## Bachelor of Business Administration Degree Program

[Core Curriculum Requirements](#)

[Lower Division Requirements](#)

### Overview

To declare a business major, all pre-business students must formally apply for admission to upper division business courses. Students will typically apply in their sophomore year for admission to upper-level courses (most 30000-level or above) in their junior year. All TCU students, (not previously admitted to TCU as pre-business) or students transferring to TCU who wish to become pre-business students or business majors, must contact the Neeley Student Resource Center regarding admission policies, procedures, and deadlines. Admission is competitive, limited, and not guaranteed.

1. **Declaring Majors.** All students wishing to become business majors should first be admitted to TCU and the Neeley School as pre-business students. Students remain pre-business students until being formally admitted to a specific business major and upper division courses. Before taking upper-division (most 30000-level or above) business courses, all pre-business students must:

- a. complete the Lower Division Sequence Requirements (see below),
- b. have a minimum TCU cumulative GPA of 2.75,
- c. have a minimum GPA of 2.50 in those courses designated as Lower Division Requirements (LDRs),
- d. demonstrate computer skills competency by passing Microsoft Office Specialist exams in Word, PowerPoint and Excel.
- e. go through a professional interview
- f. be formally admitted to the Neeley School. Contact the Neeley Student Resource Center regarding admissions policies, procedures and deadlines.

2. **Majors Offered.** After being admitted to upper division courses, students may then select one or more of the functional area majors: Accounting, E-Business, Entrepreneurial Management, Finance (or Finance with a Real Estate Concentration), Marketing, or Supply and Value Chain Management. Contact the Neeley Student Resource Center for policies and procedures regarding declaration of major(s).

3. **Declaring an Emphasis.** Business students may complement their major in Accounting, E-Business, Entrepreneurial Management, Finance, (Finance with Real Estate Emphasis), Marketing or Supply and Value Chain Management, by designating an **International Emphasis**. Students must satisfy the goals and requirements of the emphasis. Business students may also complement their major in any business discipline by completing the **Next Generation Leadership Program**. Entrance into the Next Generation Leadership Program is limited and highly competitive. This program is designed to give students an understanding of the theory and practice of leadership, and provide them with skills that will help them become more confident and effective leaders.

Each program provides a structure to recognize students who have achieved a unique combination of experience and academic coursework. A special designation will be placed on the transcript of those students successfully completing the requirements of the emphasis.

4. **Changing Your Major to Business.** Current TCU students who wish to change their major to business must formally apply to the Neeley School to become a business major. Admission is limited, competitive and not guaranteed. Change of major requests will be reviewed once per academic year, typically the end of the Spring semester. Contact the Neeley Student Resource Center regarding policies, procedures, and deadlines.

5. **Transfer Students.** Transfer students must first become pre-business students. Approval is limited, competitive and is not automatic. Admission to TCU does not guarantee the student admission as a pre-business student. Transfer students should contact the NSRC regarding transfer credits and specific transfer student requirements and guidelines for admission to the Neeley School. Transfer students are expected to meet all degree requirements.

6. **TCU Cumulative GPA of 2.50 Required for Graduation.** A TCU cumulative GPA of at least 2.50 is required for graduation with a BBA degree. Any business major whose GPA falls below 2.50, must appeal to the Senior Associate Dean of the Neeley School to graduate.

7. **Demonstrated Computer Skills.** To become a business major in the Neeley School, all pre-business students must demonstrate computer skills by passing Microsoft Office Specialist Exams in Word, PowerPoint and Excel. For information about the specific requirements, please contact the Neeley Student Resource Center.

### ALL TCU BUSINESS / PRE-BUSINESS STUDENTS

#### Entering Freshmen

- Begin taking Lower Division Sequence Requirements

Suggested Sequence of Courses: Applies to all pre-business majors. Students considering a special emphasis program should discuss course sequencing with an academic advisor.

<b>Freshman Year Fall</b>	<b>Freshman Year Spring</b>
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ENGL 10803 Introductory Composition	INSC 20153 Statistical Analysis
**MATH 10283 Intro. Applied Calculus	ECON 10233 Intro. Macroeconomics
ECON 10223 Intro. Microeconomics	BUSI 10173 Foundations of Business
Core Curriculum Requirement (3 credits)	Core Curriculum Requirement (3 credits)
Core Curriculum Requirement (3 credits)	Core Curriculum Requirement (3 credits)
<b>Total Credits 15</b>	<b>Total Credits 15</b>

**\*\*MATH 10283 has a prerequisite of MATH 10273 or MATH 10053. Students who have High School credit for pre-calculus and at least a 600 SAT math score are exempt from MATH 10273 or MATH 10053.**

### **Sophomores**

- Continue taking Lower Division Sequence Requirements.
- Suggested Sequences of Courses:

<b>Sophomore Year Fall</b>	<b>Sophomore Year Spring</b>
ENGL 20803 Intermediate Composition	ACCT 20163 Principles of Managerial Accounting
ACCT 20153 Principles of Financial Accounting	INSC 20263 Information Systems in an eEnterprise
MANA 20153 Legal environment of Business	BUSI 20153 Ethical Decision Making
Core Curriculum Requirement (3 credits)	Core Curriculum Requirement (3 credits)
Core Curriculum Requirement (3 credits)	Core Curriculum Requirement (3 credits)
<b>Total Credits 15</b>	<b>Total Credits 15</b>

- Formally apply for admission to a specific major(s) and upper division business courses by submitting the on-line application to the Neeley Student Resource Center. To qualify students must:
  - have a minimum 2.75 cumulative TCU GPA
  - have a minimum 2.50 LDR GPA
  - demonstrate computer skills competency based on Neeley School guidelines

See the Neeley Student Resource Center for other requirements and deadlines.

### **Juniors/Formally Admitted to Upper Division Courses**

- Declare one or more major(s) in Accounting, E-Business, Entrepreneurial Management, Finance (or Finance with a Real Estate Concentration), Marketing or Supply and Value Chain Management.
- Begin Upper Division Business Core Courses.
- Contact the Neeley Student Resource Center for Suggested Sequence of Courses by Major.

### **Seniors**

- Complete Upper Division Business Core
- Complete Major Course Requirements
- Strategic Management (MANA 40153) must be taken after completion of all the upper division core

requirements. (Students may enroll in MANA 40153 concurrently with only one other upper division **core** course by permission of the Management Department.) Recommended to be taken in the last 2 semesters.

- Contact the Neeley Student Resource Center for Suggested Sequence of Courses by Major.

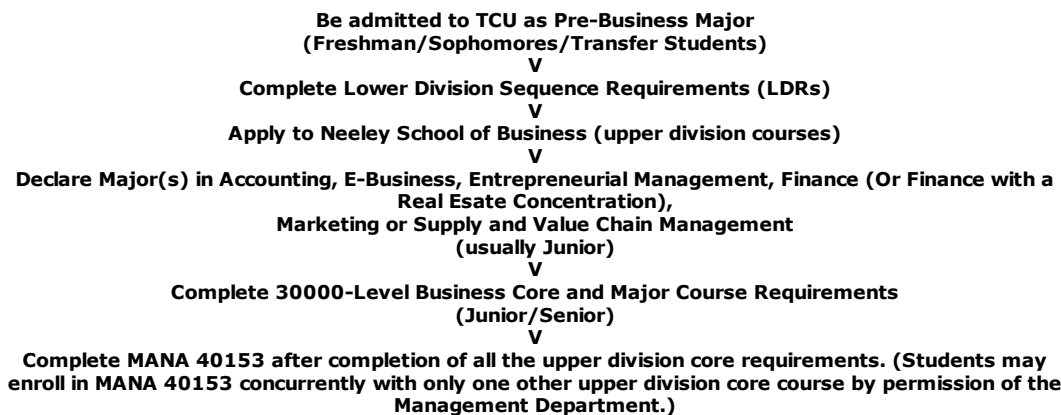
### **Transfer Students**

- **Be admitted as Pre-Business**
- **Begin taking Lower Division Sequence Requirements**
- **Contact the Neeley Student Resource Center regarding formal application and requirements for admission to upper division courses.**

Transfer students who have been officially admitted to the Neeley School may:

- **Declare a Major in Accounting, E-Business, Entrepreneurial Management, Finance (or Finance with a Real Estate Concentration), Marketing or Supply and Value Chain Management**
- **Begin Upper Division Business Core Courses**
- **Contact the Neeley Student Resource Center for Suggested Sequence of Courses by Major.**

### **Progression Through Neeley School Requirements Bachelor of Business Administration Degree**

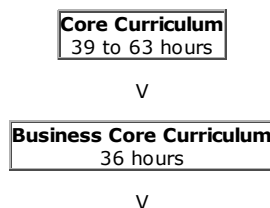


### **Core Curriculum Requirements**

#### **Components of the BBA Degree**

The BBA program in the Neeley School of Business is composed of four blocks of coursework. (see insert below)

TCU Requirements for Bachelor of Business Administration





**Major Course Requirements**

18-24 hours

V

**Free Elective Courses**

Hours will vary depending upon Major(s)

Of the four blocks of coursework, the Core Curriculum and the Business Core are required of all business students regardless of their major. The Major Course Requirements and the number of Free Elective hours vary, depending on choice of major(s).

**A. Core Curriculum Requirements** Students seeking a Bachelor of Business Administration degree must fulfill all of the Core Curriculum Requirements listed below:

**I. Essential Competencies: 18 semester hours.**

- a. **Written Communication: 6 hours (ENGL 10803, 20803)**
- b. **Mathematical Reasoning: 3 hours (MATH 10283 or 10524)\***
- \*Credit is not allowed for both MATH 10283 and MATH 10524**
- c. **Oral Communication: 3 hours**
- d. **Writing Emphasis: 6 hours (3 hours must be in the major)**

**II. Human Experiences and Endeavors : 27 semester hours. For Human Experience and Endeavors, courses in the humanities, social sciences and natural sciences must be satisfied in at least two different areas (as defined by course prefixes).**

- a. **Humanities: 9 hours**
- b. **Social Sciences: 9 hours to include macroeconomics and microeconomics**
- c. **Natural Sciences: 6 hours**
- d. **Fine Arts: 3 hours**

**III. Heritage, Mission Vision & Values: 3 semester hours in each category (Approved courses from the Experiences and Endeavors core, the major and the minor, may also satisfy requirements)**

- a. **Religious Traditions**
- b. **Historical Traditions**
- c. **Literary Traditions**
- d. **Cultural Awareness (must be taken at TCU)**
- e. **Global Awareness (must be taken at TCU)**
- f. **Citizenship & Social Values (must be taken at TCU)**

**With the exception of the Lower Division Sequence Requirements, students are not expected to complete one entire group or block of courses prior to proceeding to the next block. Instead, the courses are woven together into an integrated sequence of learning steps.**

**B. Lower Division Sequence Requirements (36 semester hours) Lower Division Sequence Requirements must be completed the semester in which the student submits his/her application for admission to the Neeley School and before beginning Upper Division Business Core courses (30000-level or above, except MARK 30153).**

**Lower Division  
Sequence Requirements:**

1) Successful completion of the 12 required courses:

- ENGL 10803 Introductory Composition (Core Requirement)
- ENGL 20803 Intermediate Composition (Core Requirement)
- MATH 10283 Introductory Applied Calculus (Core Requirement)
  - \* or Math 10524 Calculus 1 (Core Requirement)
- ECON 10223 Introductory Microeconomics (Core Requirement)
- ECON 10233 Introductory Macroeconomics (Core Requirement)
- \*\* INSC 20263 Information Systems in an eEnterprise (Business Core)
- MANA 20153 Legal Environment of Business (Business Core)
- ACCT 20153 Principles of Financial Accounting (Business Core)
- ACCT 20163 Principles of Managerial Accounting (Business Core)
- INSC 20153 Statistical Analysis (Business Core)
- BUSI 20173 Foundations of Business (Business Core)
- BUSI 20153 Ethical Decision Making (Business Core)

\* Credit will not be awarded for both MATH 10283 and MATH 10524.

\*\* COSC 10203 is not a substitute for EBUS 20263 and can only be used for free elective credit toward a BBA

degree.

2) Attainment of a minimum grade point average of 2.50 in the Lower Division Sequence Requirements courses, with at least a "C" average in two English composition courses.

3) Attainment of a TCU cumulative GPA of at least 2.50 at the end of the sophomore year, defined by the University as the semester or term in which the 53rd semester hour is completed.

### C. Upper Division Business Core Courses.

The Upper Division Business Core Courses (30000-level or above except MARK 30153) are interwoven with the major courses throughout the student's junior and senior years. Business students complete MANA 40153 during the last two semesters.

#### Upper Division Business Sequence Requirements

- MANA 30153 Organizational Management
- MARK 30153 Marketing Management
- FINA 30153 Financial Management
- INSC 30153 Manufacturing and Services Operations  
OR INSC 30313 Supply Chain Management\*
- MANA 40153 Strategic Management- Must be taken after completion of all other upper division **core** courses. (Students may enroll in MANA 40153 concurrently with only one other upper division **core** course by permission of the Management Department.)

**\*Students may not receive credit for both INSC 30153 and INSC 30313\*\*** Students must complete a tentative plan for graduation to be filed with appropriate forms in the Neeley Student Resource Center, preferably by the second semester Junior year.

### D. Major Course Requirements (18-24 semester hours)

1. Each major, Accounting, E-Business, Entrepreneurial Management, Finance (Finance with a Real Estate Concentration), and Marketing or Supply and Value Chain Management, has a different set of major course requirements. These are described in detail in the Neeley School Major Programs section.
2. Students must take 6 hours of Writing Emphasis courses in their major, with the exception of the Finance majors which require 9 hours. Writing Emphasis courses are designated in the Neeley School of Business Major Programs section.

**E. Free Electives (credits hours will vary depending on choice of major(s)). Please see an academic advisor in the Neeley Student Resource Center for more information, particularly if selecting more than one major or a major and an emphasis or minor.**

# Accounting

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## Overview

Accounting has been called "the language of business." In fact, it is much more. Managers of nearly all organizations, whether business, not-for-profit, or governmental, require accounting information to operate successfully. Financial statements prepared by accountants are used by individuals outside of these organizations to evaluate the performance of management and to make investing, lending, regulatory, and other decisions. Accounting majors are well versed in the preparation, use, and limitations of accounting information and understand business at a very fundamental level. Moreover, they offer knowledge and skills that most organizations require.

A major objective of the BBA program is to provide basic conceptual accounting and business knowledge as a foundation for accounting and business career development. Candidates for the Uniform CPA Examination in Texas must fulfill additional educational requirements. The Master of Accountancy (MAc) degree offered by the Neeley School meets those requirements and is designed for students planning for careers in public accounting or other professional accounting careers.

## Major Course Requirements (24 semester hours)

*Specific course requirements (21 semester hours)*

ACCT 30153 Intermediate Financial Accounting I  
ACCT 30163 Cost Accounting  
ACCT 30253 Intermediate Financial Accounting II  
ACCT 30303 Introduction to Federal Taxation  
ACCT 40153 Advanced Accounting  
ACCT 40223 Information Systems and Control  
ACCT 40273 Introduction to Auditing

**In addition**, the student must complete 3 semester hours from the following:

ECON 30223 Intermediate Microeconomics  
ECON 30233 Intermediate Macroeconomics  
ECON 40153 Economics of Financial Markets  
FINA 30203 Money and Banking  
FINA 40153 Advanced Financial Management

**Free Electives:** Please see your academic advisor in the NSRC to determine the number of elective hours needed to reach 124 total hours.

**Accounting majors may double major in Finance** by taking three additional courses:

FINA 30213 Investments I  
FINA 30233 Investments II  
FINA 40153 Advanced Financial Management

FINA 30203, Money and Banking, must be taken to fulfill an elective requirement imposed by Accounting.  
ACCT 30303, Introduction to Federal Taxation, must also be taken to fulfill the one course elective requirement for Finance.

**Texas law** requires CPA candidates to complete 150 credit hours of academic work including 36 credit hours of accounting. In response to this change, the Neeley School has developed the Master of Accountancy (MAc) degree, which can be completed in one year. Undergraduate accounting majors interested in professional certification are encouraged to apply for admission to this program at the end of their junior year. For more information, visit the MAc website at [www.mac.tcu.edu](http://www.mac.tcu.edu).

## Electronic Business

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### Overview

The effective and efficient use of information technology is an important element in achieving competitive advantages for business organizations and excellence in services for government and non-profit organizations. The globalization of trade, the emergence of information economies and the growth of the Internet and other global communication networks have recast the role of information systems in business and management. Companies can use information technology to design global business organizations linking factories, offices, and mobile sales forces around the world and around the clock.

Electronic Business students will develop the ability to design, implement and manage an infrastructure of information technology, data and organization-wide systems. They will also have the skills to manage, analyze and develop applications dealing with electronic business. They will be able to assist in incorporating information technology into the strategy, planning, and practices of organizations.

### Major Course Requirements (24 semester hours)

#### *Specific Course Requirements*

INSC 10013 Business on the Web  
INSC 30713 eBusiness Programming and Applications  
INSC 30723 eBusiness Planning  
INSC 30823 Data for eBusiness  
INSC 30833 eBusiness Development  
INSC 40013 eBusiness Professional Internship (Writing Emphasis)  
INSC 40803 eEnterprise Architecture  
INSC 40813 eBusiness Consultancy (Writing Emphasis)

**Free Electives:** Please see your academic advisor in the NSRC to determine the number of elective hours needed to reach 124 total hours.

## Entrepreneurial Management

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### Overview

The Entrepreneurial Management major offers a unique combination of specialization and generalization in the study of management. Nearly all forms of activity in profit and non-profit organizations involve some form of management. Whether it be managing people, money, information systems, raw materials or finished products, managers are required to make decisions, handle conflict, communicate, and work in teams; in short, they must exercise strong leadership and entrepreneurial skills on a daily basis. The Entrepreneurial Management major explores the people aspect of business and the range of skills employed by today's entrepreneurs and leaders, including strategic planning, communication and conflict management, team building, creative problem solving, leadership, entrepreneurship, business plan development and implementation, managing small business growth, and others. Career opportunities for those with strong management skills are among the most diverse because virtually any for-profit and non-profit organization requires entrepreneurial and leadership capability.

### Major Course Requirements (18 semester hours)

#### *Specific course requirements*

MANA 30203 Human Resource Management (Writing Emphasis)  
MANA 30533 Introduction to Entrepreneurship (Writing Emphasis)  
MANA 40223 Cross-Cultural Management

**In addition**, the student must complete 9 semester hours from the following elective courses in Entrepreneurial Management:

MANA 40123 Managing the Emerging Venture  
MANA 40143 New Venture Planning  
MANA 40163 Ventures in Transition  
MANA 40753 Managing Business Ethics  
MANA 40970 Special Problems in Management

**Free Electives:** Please see your academic advisor in the NSRC to determine the number of elective hours needed to reach 124 total hours.

## Finance

### Overview

A finance major concentrates on the management of financial resources for the firm or for the investment portfolio. The field of finance integrates concepts from economics, accounting, and a number of other areas. The central focus of finance is the relationship of risk and return.

Financial managers attempt to achieve wealth maximization through daily activities such as credit and inventory management and through longer-term decisions related to raising funds and allocating capital. Investment specialists evaluate and select securities, manage investment portfolios, and raise capital to finance business, government, and private needs.

TCU students can apply for a position on the Educational Investment Fund and, if selected, can gain valuable investment experience working with approximately 18 fellow students to manage a stock and bond portfolio of approximately \$2 million.

The trend toward the securitization of financial assets and real estate, international financial transactions, and derivative products such as options and futures continues to generate new job opportunities in finance.

Finance careers include corporate financial management, commercial banking, investment brokerage, portfolio management, investment banking, and insurance to name a few.

### Finance Major Course Requirements (At least 21 semester hours)

*Specific Course Requirements (18 semester hours)*

FINA 30203 Money and Banking (Writing Emphasis)  
 FINA 30213 Investments I (Writing Emphasis)  
 FINA 30233 Investments II  
 FINA 40153 Advanced Financial Management  
 ACCT 30153 Intermediate Financial Accounting I  
 ACCT 30253 Intermediate Financial Accounting II

**In addition**, the student must complete 3 semester hours from the following:

FINA 30303 Insurance  
 FINA 30313 Real Estate Principles  
 FINA 30623 Real Estate Valuation  
 FINA 40183 Educational Investment Fund  
 FINA 40193 Educational Investment Fund  
 FINA 40313 Management of Financial Institutions  
 FINA 40613 Real Estate Finance and Investment Analysis  
 FINA 40623 International Finance  
 FINA 40633 Investment Practicum  
 ACCT 30303 Introduction to Federal Taxation

**Free Electives:** Please see your academic advisor in the NSRC to determine the number of elective hours needed to reach 124 total hours.

### Finance Major (With a Real Estate Concentration)

Students may also major in Finance with a Real Estate concentration. Career opportunities exist in banking, mortgage lending, real estate development, asset management, appraisal, real estate management, and brokerage.

### Major Course Requirements (24 semester hours)

*Specific course requirements (24 semester hours)*

FINA 30203 Money and Banking (Writing Emphasis)  
 FINA 30213 Investments I (Writing Emphasis)  
 FINA 30233 Investments II  
 FINA 40153 Advanced Financial Management  
 FINA 30313 Real Estate Principles  
 FINA 30623 Real Estate Valuation  
 FINA 40613 Real Estate Finance and Investment Analysis  
 ACCT 30153 Intermediate Financial Accounting I

**Free Electives:** Please see your academic advisor in the NSRC to determine the number of elective hours needed to reach 124 total hours.

**Finance majors may double major in Accounting** by taking the following additional courses:

ACCT 30163 Cost Accounting  
 ACCT 40153 Advanced Accounting (Writing Emphasis)  
 ACCT 40223 Information Systems and Control  
 ACCT 40273 Introduction to Auditing  
 ACCT 30303, Introduction to Federal Taxation must also be taken to fulfill the one course elective requirement for Finance.

## Marketing

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### Overview

Today, diverse corporations in the telecommunications, financial, food service, and manufacturing industries all have at least one thing in common. These sellers want to exchange their goods, services, or ideas for something of value from buyers. Marketing begins at the moment that an organization perceives an unmet need, and progresses through product development, promotion, distribution and pricing. Marketing research suggests that one-half the cost of most products and services can be attributed to marketing.

### Major Course Requirements (18 semester hours)

*Specific course requirements (15 semester hours)*

MARK 30233 Business Marketing (Writing Emphasis)

MARK 30253 Selling and Sales Management

MARK 40113 Marketing Research

MARK 40123 Marketing Planning

MARK 40203 Marketing Strategy (Writing Emphasis)

**In addition**, the student must complete 3 semester hours of marketing electives from the following:

MARK 40213 International Marketing

MARK 40223 Services Marketing

MARK 40303 Principles of Retailing

MARK 40700 Marketing Study Abroad

MARK 40970 Special Problems in Marketing

**Free Electives:** Please see your academic advisor in the NSRC to determine the number of elective hours needed to reach 124 total hours.

## Supply and Value Chain Management

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### Overview

Supply and value chain management is cross-disciplinary and encompasses interrelated elements of marketing, logistics, purchasing, operations management, and information technology. In today's highly competitive environment, the multiple firms in a supply chain must be able to collectively respond to rapidly changing customer requirements. To do this efficiently and effectively requires working together across functions within the firm and beyond the boundaries of the firm to understand and respond to changing customer requirements and to match supply to customer demand. This program is designed to give students the skills and capabilities needed for supply chain positions in companies facing such challenges.

### Major Course Requirements (21 semester hours)

*Specific course requirements (21 semester hours)*

INSC 30723 eBusiness Planning

INSC 40313 Logistics and Transportation

INSC 40323 Procurement/Supply Management

INSC 40333 Supply Chain Information Technologies

INSC 40343 Supply Chain Strategy

INSC 40353 Global Supply Chain Management

INSC 40303 Demand Planning and Management

**\*\* Special Note: As part of the upper level business core requirements, SVCM majors must take INSC 30313 Supply Chain Management rather than INSC 30153.**

**Free Electives:** Please see your academic advisor in the NSRC to determine the number of elective hours needed to reach 124 total hours.



## A BBA with a Special Emphasis

[A BBA with International Emphasis](#)

[A BBA with Next Generation Leadership Program](#)

### A BBA with International Emphasis

Business students may complement their major in Accounting, eBusiness, Entrepreneurial Management, Finance, (Finance with Real Estate Emphasis), Marketing and Supply and Value Chain Management by designating an **International Emphasis** and satisfying the goals and requirements of the International Emphasis program. The program provides a structure to recognize students who have achieved a unique combination of experience, academic coursework, and international skills resulting in a cross-cultural competency. A special designation will be placed on the transcript of those students successfully completing the requirements of the program. The international emphasis may not be added to majors outside of the Neeley School.

Part I: Neeley School Courses (at least 6 semester hours)

Required: 6 hours from the following courses (3 hours must be in your major.) For Accounting and E-Business majors, choose 2 of the classes that will best support your academic interests.

FINA 40623 International Finance

MANA 40223 Cross-Cultural Management

MARK 40213 International Marketing

Part II: International Awareness Courses (at least 9 semester hours)

A student must complete a minimum of 9 semester hours of non-business, non-foreign language courses with an international focus. To receive approval of course selection prior to enrollment, students must submit appropriate forms to the Neeley Student Resource Center.

Part III: Language Proficiency

1. The student must be proficient in at least one language other than English. For students whose primary language is English, proficiency in a second language must be demonstrated through successful completion of 18 semester hours of coursework in one language or the maximum hours offered in one language or equivalent proficiency as approved by their department chair.
2. For students whose second language is other than those taught at TCU, students should work with their department chair to determine a method of demonstrating proficiency.
3. For students whose primary language is not English, proficiency in both their primary and secondary languages must be demonstrated. Students should work with their department chair to determine a method of demonstrating proficiency in their primary language. Completion of the English courses required in the UCR or their equivalents will be sufficient to demonstrate proficiency in their secondary language of English.

Part IV: Experiential Component

1. Students working toward an international emphasis will be required to obtain significant experience in a foreign culture. A combination of study, work, or living abroad may be used to satisfy the requirement. While there is no specific time requirement, students must demonstrate to the major department chair or designated faculty advisory committee focused involvement in a foreign culture.
2. The experiential component may be waived for foreign students.

### A BBA with Next Generation Leadership Program

Business students may complement their major in any business discipline by completing the **Next Generation Leadership Program**. This program is designed to give students an understanding of the theory and practice of leadership, and provide them with skills that will help them become more confident and effective leaders.

Students can only be designated a graduate of the program if they have applied for, been accepted to and completed all requirements of the Next Generation Leadership Program. This is a two year program that consists of course work and co-curricular developmental opportunities. Entrance into the Next Generation Leadership Program is limited and highly competitive. Successful applicants will have (a) demonstrated superior academic performance, (b) sought out experiences that reflect high standards of leadership, and (c) received strong recommendations from faculty and staff. Entrance decisions will be made by a Next Generation Leadership Program committee.

**The Next generation Leadership Program** consists of four leadership courses, preceded by the required *Business Ethics* course, that help students learn more about leadership and about themselves as leaders. The first class, *Foundations of Leadership* is focused on leading oneself. It is grounded in a principle-centered model of leadership, and underscores the impact that quality of character has on our ability to earn followers. The second course, *Interpersonal Leadership Skills* focuses on critical leadership capabilities - on those leadership skills that are foundational for people in formal and informal leadership positions. The third course, *Team Leadership Skills* focuses on specific skill sets that help increase our effectiveness when working collaboratively with others. The final course, *The Leadership Challenge* focuses on bringing together leadership concepts associated with leading change with students' leadership experiences from a required field placement that will demand that they exercise their growing leadership knowledge and competencies. The experiences from that placement will be discussed in class, as they relate to the material for that class session. In this way, students will bring together leadership concept and practice, and have the opportunity to learn from their experience in leadership settings.

Upon acceptance into the Next Generation Leadership Program, each student will sign a letter of commitment to complete all required elements of the program in a timely manner. For students who successfully complete the Next Generation Leadership Program, a formal notation will be made on their TCU transcript upon graduation that they are graduates of the Program. Any student who is unable to fulfill their commitment with their cohort (for any reason) will not be permitted to participate in the remaining portion of the program, and will not receive the formal Program designation on their transcript. Students will take the following courses in sequence:

BUSI 30833 Foundations of Leadership

BUSI 30843 Interpersonal Leadership Skills

BUSI 40833 Team Leadership Skills

BUSI 40843 The Leadership Challenge

## Minors And Double Majors In Business

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### Overview

#### Minors Outside of the Neeley School

Business students are not required to have a minor but may obtain one outside the M.J. Neeley School of Business by completing the requirements outlined by the department in which the minor is offered. Students should check with the Neeley Student Resource Center to see if any additional paperwork is required.

#### Minors And Double Majors In Business For Business Majors

##### Minor in Accounting

Students majoring in business may pursue an accounting minor. The goal of the minor is to provide a secondary area of expertise for students majoring in E-Business, Entrepreneurial Management, Finance, (Finance with Real Estate Emphasis), Marketing, or Supply and Value Chain Management. By combining one of these majors with a minor in accounting, the student is prepared for a greater number of career opportunities and gains more flexibility. In addition, students majoring in other areas of business sometimes take electives in accounting. The designation of an accounting minor provides such students with additional evidence of subject matter expertise. The minor in accounting requires 18 semester hours of coursework. Once a student matriculates at TCU, all coursework in the accounting minor must be completed at TCU.

##### *Required Courses (18 semester hours)*

ACCT 20153 Principles of Financial Accounting  
ACCT 20163 Principles of Managerial Accounting  
ACCT 30153 Intermediate Financial Accounting I  
ACCT 30163 Cost Accounting  
ACCT 30253 Intermediate Financial Accounting II  
ACCT 30303 Introduction to Federal Taxation

**Minimum GPA:** To graduate with a minor in accounting, students must obtain a minimum GPA of 2.50 in courses making up the minor.

##### Minor in Finance

Students majoring in business may pursue a finance minor. The goal of the minor is to provide a secondary area of expertise for students majoring in Accounting, E-Business, Entrepreneurial Management, Marketing, or Supply and Value Chain Management. By combining one of these majors with a minor in finance, the student is prepared for a greater number of career opportunities and gains more flexibility. In addition, students majoring in other area of business sometimes take electives in finance. The designation of a finance minor provides such students with additional evidence of subject matter expertise.

The minor in finance requires 18 semester hours of coursework. Once a student matriculates at TCU, all coursework in the finance minor must be completed at TCU.

##### *Required Courses (18 semester hours)*

FINA 30153 Financial Management  
FINA 30203 Money and Banking  
FINA 30213 Investments I  
ACCT 30153 Intermediate Financial Accounting I

**In addition**, the student must complete 6 semester hours of finance electives from the following:

FINA 40153 Advanced Financial Management  
FINA 30233 Investments II  
FINA 40183 Educational Investment Fund  
FINA 40193 Educational Investment Fund  
FINA 40623 International Finance  
FINA 40613 Real Estate Finance and Investment Analysis

**Minimum GPA:** To graduate with a minor in Finance, students must obtain a minimum GPA of 2.50 in courses making up the minor.

##### Double Majors

**Accounting majors** may double major in Finance by taking three additional courses:

FINA 30213 Investments I  
FINA 30233 Investments II  
FINA 40153 Advanced Financial Management

They must elect FINA 30203, Money and Banking, to fulfill an elective requirement imposed by Accounting. ACCT 30303, Introduction to Federal Taxation, must also be taken to fulfill the one course elective requirement for Finance.

**Finance majors** may double major in Accounting by taking four additional courses:

ACCT 30163 Cost Accounting  
ACCT 40153 Advanced Accounting (Writing Emphasis)  
ACCT 40223 Information Systems and Control  
ACCT 40273 Introduction to Auditing

They must take ACCT 30303, Introduction to Federal Taxation, to fulfill the one course elective requirement for Finance.

**A business student** may earn an additional Bachelor's degree in a field outside of the Neeley School by completing the requirements outlined by the University under "Additional Bachelor's Degree" in the Bachelor's Degree section of this Bulletin.

## General Business Minor For Non-Business Majors

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### Overview

Students completing majors outside of the Neeley School may pursue a General Business minor. The goal of the General Business minor is to provide students in other disciplines with a broad base of knowledge about the business world by giving them an understanding and appreciation of business and its social and ethical environment. In addition, through introductory courses in the functional areas of business, the students are introduced to the rudimentary tools used in business settings to analyze problems and make decisions.

The General Business minor requires 18 semester hours of coursework. Once a student matriculates at TCU, all coursework in the General Business minor must be completed at TCU.

### Required Courses (18 semester hours)

ACCT 20153 Principles of Financial Accounting  
ACCT 20163 Principles of Managerial Accounting  
MANA 20153 Legal Environment of Business  
FINA 30153 Financial Management  
MANA 30153 Organizational Management  
MARK 30153 Marketing Management

### Recommended Courses:

BUSI 10013 Contemporary Perspectives in Business  
INSC 20263 Information Systems in an eEnterprise

### Minimum GPA

To graduate with a general business minor, students must obtain a minimum GPA of 2.50 in courses making up the minor.

## College of Communication

### [3/2 B.A., B.S./MBA Program in Business](#)

#### Overview

As we venture into the 21st Century, the role of communication continues to be a vital and integral part of the university's educational mission. Today, more than 900 students concentrate their studies within one school and two departments housed in The College of Communication. Degree programs are available in Journalism, Advertising and Public Relations, Communication Studies, and Radio-TV-Film. The academic programs of the college exact an appropriate balance between professional training and liberal arts studies. Personal counseling and relatively small classes allow the faculty to give attention to the work of each student.

#### Degrees Offered

**Bachelor of Arts** degree with a major in The Schieffer School of Journalism, Radio-Television-Film, or Communication Studies.

**Foreign Language Requirement.** All students pursuing the Bachelor of Arts degree in the College of Communication must demonstrate competency in a foreign language equivalent to the completion of one of the following:

Fourth Semester College French (FREN 20063)  
Intermediate German (GERM 20063)  
Fourth Semester College Greek (GREE 20063) (Hellenistic)  
Fourth Semester College Italian (ITAL 20063)  
Fourth Semester College Japanese (JAPN 20063)  
Intermediate Spanish (SPAN 20203)

This requirement may be satisfied by either satisfactory completion of coursework taken at or transferred to TCU or by presenting satisfactory scores on recognized standardized tests (i.e., AP, CLEP or SAT II). Required scores on standardized tests may be found in the Credit by Exam booklet available from the Office of Admissions. For languages not currently taught at TCU, six semester hours at the sophomore-level, transferred to TCU from another accredited institution, may be used to satisfy this requirement. Students may also provide evidence of competency in the non-English language by successfully completing one academic year in a secondary or post-secondary institution in which the language of instruction is other than English, for which the student will receive 12 hours of credit.

**Bachelor of Science** degree with a major in Communication Studies, Radio-Television-Film, or the Schieffer School of Journalism.

#### 3/2 B.A., B.S./MBA Program in Business

The College of Communication and M.J. Neeley School of Business offer a combined degree in The Schieffer School of Journalism, Radio-TV-Film, or Communication Studies and a master's degree in Business Administration (MBA). The Three-Two Program, as it is called, takes five years to complete.

Students interested in the program spend the first three years in the College of Communication completing the Core Curriculum requirements (including MATH 10283) and meeting the requirements of their major field. During the third year of study, application is made to the MBA program. To be considered for admission, applicants must have completed, or anticipate completing by the end of the third year, a minimum of 100 hours in non-business courses and finished all major requirements and core requirements. Applicants must submit the usual application materials, including scores from the Graduate Management Admission Test (GMAT), and must present above-average academic records.

If admitted, a student enters the MBA phase of the Three-Two program in the fourth year of study at TCU. The first year of the MBA, comprising of 24 credit hours, meets the minor requirements of the undergraduate degree. After successful completion of the first year of the MBA program, the student may petition the Dean of the College of Communication to be awarded the undergraduate degree.

#### Multiple Majors

The following applies to all students majoring in the College of Communication with the exception of The Schieffer School of Journalism. Students who wish to pursue an additional major in the college must satisfy all degree requirements of the additional major, including courses specified in the Core Curriculum as particular to that degree and major.

Students who wish to pursue an additional degree in another college, if additional majors are permitted in that college, must complete all degree requirements for each major, including courses specified in the Core Curriculum as particular to each degree and major.

Students outside the College of Communication whose home college permits an additional major in the College of Communication must complete all degree requirements for the additional major, including courses specified in the Core Curriculum for that particular degree and major.

Majors in the Schieffer School of Journalism must consult with the department as to acceptable additional majors administered in or outside of the College of Communication.

#### Departments

[Schieffer School of Journalism](#)  
News Editorial

(Photojournalism emphasis)  
 (Newspaper/Magazine emphasis)  
 (Periodical design emphasis)

Advertising/Public Relations

Broadcast Journalism

International Communication

[Department of Radio-TV-Film](#)

Production

Industry

Analysis/History

Sports Broadcasting

[Department of Communication Studies](#)

Leadership and Organizational Communication

Interpersonal and Group Communication

Communication Skills

Business and Professional Speaking

Public Speaking

Persuasive Speaking

Communication Theory and Research

### **Organization and Program**

The College is organized into one school and two departments offering nine major fields of concentration. Each provide professional training in vocational fields for students planning careers and serious advocational training for those who wish to attain artistic ability without professional intent.

### **Requirements for Graduation**

Students should request a degree plan from the Office of the Dean when the student has completed 54 hours. The "Intent to Graduate" form, available from the Office of the Dean, should be filed when 88 hours of course credit have been completed.

Approval of the department chairman is required in contract form for all non-traditional courses, i.e., special problems, independent study, research problems, etc.

Beyond the studies specified for each major, the bachelor's degree is built on the Core Curriculum that apply to all University graduates.

### **The Core Curriculum**

All majors must complete the Core Curriculum requirements as described elsewhere in this catalog. Information about the Core Curriculum can be found at the following website: <http://www.core.tcu.edu>

**Transfer Credit.** Students wishing to take courses at another institution, following their admission to Texas Christian University, must secure approval through the Office of the Dean of the College of Communication before enrolling in them. The College of Communication adheres to the University policy regarding transfer credit.

**Pass/No Credit Policy.** Students majoring in the College of Communication may take up to 9 hours as Pass/No Credit to apply towards the degree. Courses taken for the major or minor in the College of Communication MUST be taken for a letter grade.

### **Student Organizations**

#### **Fraternities and Sororities**

Kappa Tau Alpha (Journalism Honor Society)

#### **Clubs**

Speech Honor Society

#### **Professional Organizations**

Society of Professional Journalists

Women in Communications, Inc.

American Advertising Federation

Public Relations Student Society of America

National Association of Black Journalists

## Schieffer School of Journalism

[Majors in Journalism](#)

[Minors in Journalism](#)

[Requirements for Changing Major to Journalism](#)

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[Graduate Studies offered by the School](#)

[Journalism Course Subcategories](#)

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### (JOUR)

The Schieffer School of Journalism offers majors in advertising/public relations, broadcast journalism, international communication, and news-editorial journalism. Minors are available in advertising/public relations, broadcast journalism, and news-editorial journalism. Degrees offered through the school include the B.A., the B.S., and the M.S.

The mission of the School is to educate journalism and mass communication students to think and act as responsible professionals and ethical citizens in a global community; to help students develop competencies necessary to prepare them for professional employment and advanced studies; and to develop skilled professional communicators who understand their social, legal, and ethical responsibilities and their career opportunities in a technological society. Each degree program in the department prepares students to communicate in a democracy to its diverse audiences through critical thinking and analytical writing skills.

All programs require professional quality and performance. TCU's Schieffer School of Journalism is one of about 18 programs at private universities in the nation accredited by the Accrediting Council on Education in Journalism and Mass Communication (ACEJMC). About 10 percent of the journalism programs at public and private universities in the country are accredited by the council. The School fully subscribes to the ACEJMC guidelines that 80 semester hours of the student's coursework be taken outside Journalism and/or mass communications classes, to ensure a broad liberal arts education. Of the 80 hours, 65 must be in traditional liberal arts. Forty-four hours may be taken in Journalism or other mass communication courses, including Radio-TV-Film courses. Majors in all sequences must conform to this restriction on the number of hours in mass communication study.

Students in all majors offered by the School must pass the Grammar-Spelling-Punctuation examination, which is administered each semester. Students may declare journalism as a major when they enter TCU. However, no students, majors or minors, will be able to take skills courses (for example, courses in writing, editing, and graphics) in journalism without having passed the GSP. Students may take the GSP exam only three times. A GSP study guide is available and the university's Writing Center offers special classes in GSP preparation before test administration dates. Students must maintain contact with the Journalism office to determine the exact days and times the examinations will be administered. Successful completion of the Grammar-Spelling-Punctuation examination is necessary to enroll in the first writing course: Journalism 10113, Media Writing and Editing I, which must be passed with a grade of "C" or better before students can take any course for which Journalism 10113 is a prerequisite. Journalism majors and minors must make a "C" or better in any course that is a prerequisite for another journalism course before enrolling in the course for which the prerequisite is required. All skills courses must be taken sequentially.

Courses in the Journalism majors or minors must be taken for a letter grade. Journalism courses taken in the major and minor sequences must be passed with a grade of "C" or better to fulfill prerequisite requirements for any journalism course and graduation requirements.

### Majors in Journalism

**B.A. Degree with a Major in News-Editorial (Newspaper or Magazine emphasis):** 124 hours with 39 hours in Journalism, including 10103, 10113, 20001, 20103, 30203, 30343, 40101, 40463, 40493, 40523, 40613, 40981 and nine hours of Journalism electives. A second major in a complementary field is strongly recommended; students should consult with their adviser for suggestions.

**B.A. Degree with a Major in News-Editorial (Photojournalism emphasis):** 124 hours with 36 hours in Journalism and 9 hours in the Department of Art. Required courses include: JOUR 10103, 10113, 20001, 20103, 30203, 30233, 30453, 40101, 40523, 40613, 40463 or 40643, 40981, and six hours of Journalism electives. Art courses required are ART 20743, 30710, 30730 or 30743.

**B.A. Degree with a Major in News-Editorial (Periodical Design emphasis):** 124 hours with 36 hours in Journalism and 9 hours in the Department of Art. Required courses include: 10103, 10113, 20001, 20103, 30203, 30343, 30443, 30453, 40101, 40523, 40613, 40981 and six hours of Journalism electives. Art courses required are ART 10123, 20323, and 20333.

**B.S. Degree with a Major in News-Editorial (Newspaper or Magazine emphasis):** 124 hours with 39 hours in Journalism, including 10103, 10113, 20001, 20103, 30203, 30343, 40463, 40493 or 40643, 40101, 40523, 40613, 40981 and nine hours of Journalism electives. A statistics course in the Mathematics Department or School of Business is required, plus Computer Science 10203 or 10403. A second major or a minor is strongly recommended but is not required; students should consult with their adviser for suggestions.

**B.S. Degree with a Major in News-Editorial (Periodical Design emphasis):** 124 hours with 36 hours in Journalism and 9 hours in the Department of Art. Required courses include: 10103, 10113, 20001, 20103, 30203, 30343, 30443, 30453, 40101, 40523, 40613, 40981 and six hours of Journalism electives. Art courses required are ART 10123, 20323, and 20333. A statistics course in the Mathematics Department or School of Business is required, plus Computer Science 10203 or 10403.



**B.S. Degree with a Major in News-Editorial (Photojournalism emphasis):** 124 hours with 36 hours in Journalism and 9 hours in the Department of Art. Required courses include: 10103, 10113, 20001, 20103, 30203, 30233, 30453, 40101, 40523, 40613, 40463 or 40643, 40981 and six hours of Journalism electives. Art courses required are ART 20743, 30710, 30730 or 30743. A statistics course in the Mathematics Department or School of Business is required, plus Computer Science 10203 or 10403.

**B.S. Degree with a Major in Advertising/Public Relations:** 124 hours with 41 hours in Journalism, including 10103, 10113, 20001, 20103, 30313, 30403, 30413, 30453, 30803, 40513, 40523, 40903, 40981 and six hours of Journalism electives. A statistics course taken in either the Mathematics Department or School of Business is required. An Area of Emphasis consisting of 18 hours in a discipline selected by the student and approved by a Journalism adviser must be completed. Students may also choose to complete the requirements for a major or minor in the selected discipline. If this option is selected, students must fulfill the requirements as prescribed by the department in which the minor or second major is taken.

**B.S. Degree with a Major in Broadcast Journalism:** 124 hours with 34 hours of Journalism courses. A minor is not required. Required courses in Journalism are 10103, 10113, 20001, 20103, 20203, 30203, 30543, 40523, 40451, 40101, 40553, 40981, six hours of Journalism electives, plus Computer Science 10203 or 10403.

**B.A. Degree with a Major in International Communication (News specialization):** 124 hours with 39 hours in Journalism for the News specialization. One semester of study abroad, a minor in a foreign language and an area of emphasis in International Studies (12 hours) are required. A current list of courses that can be applied to the International Studies Emphasis is maintained in the Schieffer School of Journalism office. Students selecting international studies emphasis courses should select from that list making certain to receive prior approval from their advisor. The News specialization requires Journalism 10103, 10113, 20001, 20103, 30203, 30543 or 30343, 40101, 40463, 40523, 40543, 40981, 50173 and nine (9) hours of Journalism electives.

**B.A. Degree with a Major in International Communication (Global Advertising/Public Relations specialization):** 124 hours with 39 hours in Journalism for the Global Advertising/Public Relations specialization. One semester of study or internship abroad, a minor in a foreign language and an area of emphasis in International Studies (12 hours) are required. A current list of courses that can be applied to the International Studies Emphasis is maintained in the Schieffer School Office. Students selecting international studies emphasis courses should select from that list making certain to receive prior approval from their advisor. Required Journalism courses are 10103, 10113, 20001, 20103, 30313, 30403, 30413, 30453, 30803, 40523, 40543, 40903, 40981, with 4 hours of electives.

#### Minors in Journalism

**News-Editorial Emphasis: 18 hours in Journalism, including 10103, 10113, 20103, 30203, 40523, and three other approved hours. Broadcast Emphasis: 18 hours in Journalism, including 10103, 10113, 20103, 20203, 30203, and 30543. Public Relations/Advertising Emphasis: 18 hours in Journalism: 10103, 10113, 20103, 30313, 30403, and 40523. Students who declare any minors offered by the School may not enroll in 40451 (Internship).**

#### Requirements for Changing Major to Journalism

Current TCU students of sophomore standing or above who wish to declare one of the majors offered by the School must have achieved a TCU cumulative GPA of 2.5 before they can declare a major inside the School.

#### Teacher Certification

Requirements for Journalism Teaching Certification: 27 hours in Journalism: 10103, 10113, 20103, 30203, 30313, 30233, 30453, 30853, and 40523.

#### Accreditation and Professional Organizations

The School is accredited by the ACEJMC. Five professional organizations have chapters affiliated with the School: The Society of Professional Journalists; The Radio-Television News Directors Association; American Advertising Federation; the Public Relations Student Society of America; and the National Association of Black Journalists. The School also has a chapter of Kappa Tau Alpha, the National Honorary Society for Journalism Students.

#### Internships

Students are encouraged to serve in internships with newspapers, magazines, radio or television stations, public relations or advertising agencies or departments. The School cooperates closely with the Texas Daily Newspaper Association, Public Relations Society of America, Texas Public Relations Association, and Advertising Clubs in Fort Worth and Dallas in their internship programs. Internship credit can be given only to Journalism majors. Minors or students majoring in other disciplines cannot receive Journalism credit for internships. The School will make every effort to help students find internship positions in their junior or senior year in the United States or abroad.

#### Student Publications

The School sponsors two student publications, the TCU Daily Skiff and Image, a general interest magazine, which provide opportunities for students to gain practical, hands-on experience in every phase of newspaper and magazine publishing. Broadcast journalism students can also work with TCU News Now, a 30-minute news show that airs on campus cable TV.

#### Honors Program

Candidates for Departmental Honors should take 30003 their junior year and 40003 the fall semester of their senior year.

#### 3-2 M.B.A. Program

The School offers a 3-2 program that allows students to complete the Master of Business Administration degree in five years. The M.B.A. is offered in cooperation with the M.J. Neeley School of Business.

## Graduate Studies offered by the School

The Schieffer School of Journalism offers two graduate degrees, the Master of Science in Journalism and the Master of Science in Advertising/Public Relations. Graduate courses at the 50000 level are listed here in the undergraduate catalog. For courses at the 60000 and 70000 level, consult the University's graduate catalog.

*The following is a complete list of courses offered by this School. Go to Class Search on Registrar's Page to see which courses are being taught this semester.*

### Journalism Course Subcategories

#### Journalism Core

JOUR 10103 Communication in Society.  
 JOUR 10113 Media Writing and Editing I.  
 JOUR 20001 Race, Gender, and the Mass Media.  
 JOUR 20103 Media Writing and Editing II.  
 JOUR 40523 Media Law and Ethics.  
 JOUR 40981 Senior Seminar in Journalism.

#### Advertising/Public Relations

JOUR 30313 Advertising Principles.  
 JOUR 30403 Public Relations Principles.  
 JOUR 30413 Advertising and Public Relations Copy and Production.  
 JOUR 30523 Media Marketing and Promotions.  
 JOUR 30803 Writing for Public Relations and Advertising.  
 JOUR 40403 Public Relations and Advertising Cases and Problems.  
 JOUR 40451 Internship.  
 JOUR 40503 Integrated Marketing Communications.  
 JOUR 40513 Media Analysis, Planning and Management.  
 JOUR 40533 Global Campaigns.  
 JOUR 40703 Campaigns.  
 JOUR 40903 Research and Evaluation  
 JOUR 50133 Management of Public Relations and Advertising Departments/Firms or Agencies.  
 JOUR 50163 Issues and Crises in Public Communication.

#### Broadcast Journalism

JOUR 20203 Radio/TV Newswriting.  
 JOUR 30543 Broadcast Reporting.  
 JOUR 40203 Broadcast Newscast Production.  
 JOUR 40451 Internship.  
 JOUR 40553 Issues in Broadcast News.  
 JOUR 40563 Broadcast Newsroom Management.

#### International Communication

JOUR 40153 Global Communication in Context.  
 JOUR 40223 Issues in Global Media.  
 JOUR 40533 Global Campaigns.  
 JOUR 40543 International and Intercultural Communication.  
 JOUR 40603 Global Advertising/Public Relations in Theory and Practice.  
 JOUR 40963 Topics in International and Ethnic Media.

#### News-Editorial Journalism

JOUR 30203 Reporting.  
 JOUR 30233 Photojournalism.  
 JOUR 30343 Copyediting.  
 JOUR 30443 Periodical Design.  
 JOUR 40451 Internship.  
 JOUR 40463 Public Affairs Reporting.  
 JOUR 40473 Specialized Reporting and Writing.  
 JOUR 40483 Sports Reporting and Writing.  
 JOUR 40493 Opinion Writing.  
 JOUR 40643 Feature and Magazine Writing.  
 JOUR 50173 International Reporting.  
 JOUR 50183 Media Management and Leadership.  
 JOUR 50193 Economics and Finance of the Media.

#### General Courses

JOUR 30003 Junior Honors in Journalism.  
 JOUR 30453 Information Graphics.  
 JOUR 30853 Historical Development of Mass Media.  
 JOUR 40003 Senior Honors in Journalism.  
 JOUR 40101 Computer-Assisted Information Gathering.  
 JOUR 40252 Women in Media.  
 JOUR 40613 Media Ethics.  
 JOUR 40773 Media in Britain.  
 JOUR 40803 Public Opinion and Persuasion.  
 JOUR 40970 Special Topics.  
 JOUR 40993 Mass Media and Society.  
 JOUR 50123 Proseminar in Journalism and Mass Communication.  
 JOUR 50143 Social and Cultural History of the Media.

#### Courses of Instruction

**JOUR 10103 Communication in Society.** Open to students in all departments. Nature of communication in American society in a historical/cultural perspective. Intellectual understanding of media history, current functions and future of media technology. Media as agents of cultural norms, values and mythologies. Principles, politics and economics of mass media. Critical analysis of media's influence on individuals and institutions.

**JOUR 10113 Media Writing and Editing I.** Prerequisite: A C or better grade in a Freshman-level Writing Workshop plus passing score on grammar-spelling-punctuation examination. Open to journalism majors and minors only. Introduction to basic writing skills of journalism, advertising, and public relations. Style and story structure for the print and electronic media.

**JOUR 20001 Race, Gender, and the Mass Media.** Prerequisite: JOUR 10103 or permission of instructor. This course explores the historical, economic, legal, political and social implications of the relationship between women, minorities, class and the mass media. The class will explore how the media help in constructing notions of social reality. The primary focus of this class is on media representations of marginalized groups in the United States.

**JOUR 20103 Media Writing and Editing II.** Prerequisite: JOUR 10113, with a grade of C or higher. Continuation of Media Writing and Editing I, emphasizing longer and more complex stories and writing for Ad/PR and electronic media. Introduction to newsgathering.

**JOUR 20203 Radio/TV Newswriting.** Prerequisite: JOUR 10113 with a grade of C or higher. Newswriting for the electronic media with emphasis on mastery of professional abilities required of news writers for radio and television. Writing for the on-camera performer will be stressed. Required of majors.

**JOUR 30003 Junior Honors in Journalism.** Studies, reports and discussions of literature of journalism and mass communication and of significant trends. This is generally offered to juniors in journalism on a tutorial basis. Specific topic is determined jointly by the student and the journalism instructor. JOUR 30003 and 40003 cannot be taken simultaneously.

**JOUR 30203 Reporting.** Prerequisites: JOUR 10113, 20103, with a grade of C or higher in each. Applying the principles of good writing to journalism practice. Development of skills in evaluating the news, interviewing, gathering information, and objective reporting for the print media. Faculty supervised laboratory training provides practical experience on the University newspaper under typical newsroom conditions.

**JOUR 30233 Photojournalism.** Prerequisite: JOUR 20103. Fundamentals of digital photography in modern mass communication; instruction in taking, and editing pictures. (Requires materials fee.)

**JOUR 30313 Advertising Principles.** Prerequisite: Open to advertising-public relations and marketing majors or minors or permission of instructor. Overview of advertising in marketing and society. Emphasis upon the realistic approach of managing advertising in corporate and agency operations. Focuses on the swift pace, short deadlines and quick decision factors necessary to succeed in advertising in modern business. Global aspects of advertising stressed.

**JOUR 30343 Copyediting.** Prerequisite: JOUR 10113, 20103, 30203. The evaluation of copy written for mass audiences, including consideration of grammar, style, precision, clarity, conciseness and implications of libel.

**JOUR 30403 Public Relations Principles.** Public relations in modern society, business, and communications. Influencing opinion through acceptable performance and two-way communication. Recommended for students in many fields.

**JOUR 30413 Advertising and Public Relations Copy and Production.** Prerequisites: JOUR 10113, 30313, and 30453, with a grade of C or higher in each. Planning, creating, and producing print and broadcast materials for advertising and public relations.

**JOUR 30443 Periodical Design.** Prerequisite: JOUR 20103, 30453. An overview of periodical design: fundamental concepts used in planning pages for periodicals such as newspapers, magazines, and corporate newsletters/house organs; includes an introduction to basic typography, layout, composition, illustration, photography, production and printing.

**JOUR 30453 Information Graphics.** Prerequisite: JOUR 10113, with a grade of C or higher or permission of instructor. Introduction to computer hardware and software for use in desktop publishing and periodical design and web page design.

**JOUR 30523 Media Marketing and Promotions.** Prerequisites: RTVF Majors: at least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523. JOUR majors: JOUR 30313 or permission of instructor. Principles and techniques of developing successful marketing and promotions campaigns in the media industries. Course focuses on issues of market research, advertising strategies, identity and image development, and creative execution. (Offered as RTVF or JOUR credit.)

**JOUR 30543 Broadcast Reporting.** Prerequisite: JOUR 30203. Principles and practices of news gathering, writing and editing for radio and television.

**JOUR 30803 Writing for Public Relations and Advertising.** Prerequisites: JOUR 10113, 20103, 30313, 30403, and 30453 with a grade of C or higher in each. Instructional and writing practice to develop the professional-level writing skills required in public relations and advertising, emphasizing the different approaches required for different audiences and media.

**JOUR 30853 Historical Development of Mass Media.** Development of American journalism. Political, social and economic interaction of the media and society

**JOUR 40003 Senior Honors in Journalism.** A major research study involving a substantial topic or project under the supervision of a three-member faculty committee. The sequence of JOUR 30003 and 40003 must be planned so that 40003 is taken prior to the student's final semester of undergraduate work.

**JOUR 40101 Computer-Assisted Information Gathering.** Using computers to gather and analyze information for news stories. Includes on-line search techniques and database analysis.

**JOUR 40153 Global Communication in Context.** An examination of the impact of globally conveyed information in different cultural contexts to better understand how information is likely to be received based on experience, knowledge, culture, access to media and how sources of information and media delivery systems impact global discourse.

**JOUR 40203 Broadcast Newscast Production.** Prerequisites: JOUR 30543. Reporting, editing, and anchoring for television; application of advanced production techniques; production of a weekly newscast, TCU News Now, which airs on campus and local cable outlets. Course may be taken twice for six hours credit.

**JOUR 40223 Issues in Global Media.** Issues affecting the availability of information globally, its content and method of distribution are considered in a format that is flexible enough to consider issues as these are anticipated or develop from changes in media management, systems of distribution and regulations.

**JOUR 40250 Women in Media.** Women in Media examines the topic from several perspectives: how women are represented in and by the mass media, how women working in the news media affect the representation of their gender and the various roles of women working in news, public relations and advertising.

**JOUR 40403 Public Relations and Advertising Cases and Problems.** Prerequisites: JOUR 30313 and 30403. Application of principles to a variety of cases and problems. Study of current public relations and advertising problems and potential problems.

**JOUR 40451 Internship.** Prerequisite: Minimum of 75 total semester hours with 2.5 GPA plus minimum of 9 semester hours in journalism skills courses. A 2.5 GPA required in the major and approval of department chairman. Practical experience with media or in public relations/advertising situations. Must work a minimum of 100 hours in approved practical experience situation. Course may be taken up to three times. One hour class per week the first time the course is taken. Open only to majors.

**JOUR 40463 Public Affairs Reporting.** Prerequisite: JOUR 30203. Study of community news sources such as city, county, state and federal governmental agencies, courts. Depth reporting of significant and complex news, with emphasis on fact-finding and investigation.

**JOUR 40473 Specialized Reporting and Writing.** Prerequisite: JOUR 30203. To develop skills in writing for the mass media on specialized, technical subject matter, based on mastery of advanced writing skills, knowledge of communication research findings, and thorough understanding of the subject matter. Specifically, to prepare students to be competent reporters and writers in such specialized areas as science, business, energy, the environment, health, medicine, gender, race and ethnicity.

**JOUR 40483 Sports Reporting and Writing.** Prerequisite: JOUR 10113, 20103, and 30203. Gathering and writing the news on a sports beat. Development of skills in information-gathering, interviewing, and writing for print media sports reporters. Faculty-supervised laboratory training provides practical experience on the TCU Daily Skiff writing under newsroom conditions.

**JOUR 40493 Opinion Writing.** Prerequisite: JOUR 30203. Editorial and interpretive writing about public affairs and the arts. Style and research for editorials, columns, and critical reviews. The policies, problems, responsibilities, and comment functions of the press.

**JOUR 40503 Integrated Marketing Communications.** Prerequisites: JOUR 30403 and JOUR 30313, or MARK 30103. This course provides an introduction to the principles and practices of integrated marketing communications (IMC). Students will learn how the various communication functions - advertising, public relations, direct response, personal sales, sales promotion, and supportive communication - can be integrated for maximum effectiveness in a variety of settings. Course design consists of lectures, readings, guest speakers, and a course project for a real client.

**JOUR 40513 Media Analysis, Planning and Management.** Prerequisite: JOUR 10113, 30313, 30403, with a grade of C or higher in each. Evaluation and use of measurements and data concerning mass media and markets. Principles of mass media and markets. Principles of media selection, scheduling, costs. Cases and problems.

**JOUR 40523 Law and Ethics of Mass Communication.** Prerequisite: JOUR 10113. Open to majors and minors only. Ethical and legal responsibilities, rights, and restrictions. Survey of Constitutional guarantees, libel, contempt of court, invasion of privacy, privilege, copyright, obscenity, and federal agencies.

**JOUR 40533 Global Campaigns.** Prerequisites: JOUR 30313 and JOUR 30403, or permission of instructor. A study of how global brands are communicated and positioned to the target audience(s) through an integrated marketing communications plan. Key issues will include the effect of cultural norms, economic policies and political environments on the coordination on advertising, direct marketing, sales promotion and public relations needed to build global brand position and, in turn, brand equity.

**JOUR 40543 International and Intercultural Communication.** Course examines the political, social and cultural aspects of communication across and within national boundaries, as well as the impact of globalization on the news media, advertising and public relations.

**JOUR 40553 Issues in Broadcast News.** Analysis of broadcast news, techniques of investigative reporting, newsroom decision making, political coverage, election coverage and polling, crisis coverage, and other topics. Study of the daily operation of the broadcast news profession.

**JOUR 40563 Broadcast Newsroom Management.** This course provides an intensive study of the management, organization, and leadership structures of contemporary electronic newsrooms.

**JOUR 40603 Global Advertising/Public Relations in Theory and Practice.** Prerequisite: JOUR 30313 and 30403 or permission of instructor. Course focuses on the underlying theories and principles governing advertising and public relations in market economies and democratic societies and explores the practice of these disciplines in a global economy/society. Cultural/legal obstacles and marketing/communication opportunities will be explored as future practitioners work across borders.

**JOUR 40613 Media Ethics.** Prerequisite: Senior standing, enrollment open only to majors in the Department of Journalism, or permission of the instructor. This course will introduce the study of ethical issues in the media.

Students will look critically at current media practices and develop an understanding of prominent ethics questions, as well as the ability to analyze the important ethical issues faced by the mass media industry.

**JOUR 40643 Feature and Magazine Writing.** Prerequisite: JOUR 30203. Newspaper feature and magazine non-fiction writing, research, and free-lance marketing procedures; emphasis on writing for publication.

**JOUR 40703 Campaigns.** Prerequisites: JOUR 30313, 30403, and 40403, and permission of instructor. Conceiving, researching, planning, creating, executing, and evaluating campaigns for print and broadcast media.

**JOUR 40773 Media in Britain.** An overview of contemporary media in Great Britain, focusing on the press, television, and cinema. Taught only in London.

**JOUR 40803 Public Opinion and Persuasion.** A study of the effects of persuasion in the formation of public opinion.

**JOUR 40903 Research and Evaluation.** Basic procedures of survey research with emphasis on techniques used in media and advertising/public relations research.

**JOUR 40963 Topics in International and Ethnic Media.** Investigation of the cultural, technological and historical developments of a selected national or ethnic media group, including the examination of culture, images and identity, politics and economics. Topics may vary and will include: Latin American and Hispanic Media, British and European Media, and Asian and African Media.

**JOUR 40970 Special Topics.** Prerequisite: Permission of department chair. Variable credit. Special problem areas requiring independent or small group research and study within a related area of journalism/mass communications.

**JOUR 40981 Senior Seminar in Journalism.** Prerequisites: Students must be in their senior year. Designed to help journalism graduates make the transition from the university to advertising/public relations or the news media. Emphasis on preparation of a professional portfolio that incorporates work done in journalism classes and in internships or student media.

**JOUR 40993 Mass Media and Society.** A seminar course designed to pull together for senior students all of the relationships of the mass media - both among various aspects of the media and between media and society. Senior standing or permission of instructor.

**JOUR 50123 Proseminar in Journalism and Mass Communication.** Seminar devoted to the analysis and discussion of significant issues in journalism and mass communication with a focus on related literature, research areas and policy developments.

**JOUR 50133 Management of Public Relations and Advertising Departments/Firms or Agencies.** The course will examine management techniques, tactics, concerns and issues in handling public relations and advertising departments within organizations, corporate and nonprofit, and agencies or firms, from small independent operations to subsidiaries of larger entities.

**JOUR 50143 Social and Cultural History of the Media.** Seminar designed to explore the history of mass media. Issues discussed in this class will improve historical knowledge about the mass media and give a foundation for understanding the professional development of journalism and mass communication.

**JOUR 50163 Issues and Crises in Public Communication.** The course covers the way issues of public concern are detected by news media and by public relations and advertising strategists as the issues develop, and it examines how communication of government policies as well as corporate and non-profit organization's concerns affect perceptions and subsequently public opinion.

**JOUR 50173 International Reporting.** Prerequisite: JOUR 30203, or permission of instructor. The course will critically analyze the coverage of international affairs by U.S. and other media. It will help the student develop competency in researching, analyzing and reporting about international issues, including the impact of international communication.

**JOUR 50183 Media Management and Leadership.** Dramatic changes in technology and in the media's role in converging technologies require new management and leadership techniques and paradigms. Students will discuss existing case studies examining these changes. This course will give students a survey of some of the latest management and leadership theories, including a new sense of social responsibility. They will apply these theories to a number of different competitive, structural, motivational, strategic, and organizational problems of the media, primarily by solving problems in existing case studies and by writing original case studies.

**JOUR 50193 Economics and Finance of the Media.** The course will examine the economic environment and financial practices of the mass media, including the World Wide Web. The course will also examine how the media are affected by advertisers, competition, financial markets, and other economic forces. Understanding and structuring debt and equity, valuing media companies, and writing a business plan are included in the course work.

## Radio TV Film

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### (RTVF)

Prospective students should be aware that the RTVF major is a selective one. Not all students who declare the major through the Registrar will qualify to take all of our classes. Like most media programs at universities across the country, Radio-TV-Film at TCU routinely receives far more applicants than they can accept. Limited faculty, facilities, and equipment are practical problems. Therefore, there are specific standards, including (but not limited to) minimum GPAs, for students pursuing the RTVF major. Interested students should contact the RTVF Department for current standards and procedures.

The Radio-TV-Film Dept. encourages students to see the media industries from multiple perspectives and prepares students for many different careers. After a set of "core" courses, students are required to take a mix of courses from three major areas: analysis/history, production, and industry studies.

#### Types of Courses

I. Production courses include sequences in Video Production, Cinematography, Audio Production, and Screenwriting. Additional courses include Post-Production, FM Operations, and Directing. In these courses, fundamental principles of professionalism and teamwork are developed as students learn practical technical skills in camera operation, lighting, sound recording, etc.

These courses are open to RTVF majors only.

II. The Industry sequence uses Business of Media as a foundations course. In Industry courses, students study the business and legal context in which media products are produced and distributed.

These courses are open to RTVF majors only.

III. Media Analysis/History courses use Media Analysis as a foundations course. The purpose of these courses is to study a variety of film/television styles and to analyze how media both reflect and influence culture. These courses are open to RTVF majors and minors.

IV. Open Electives: These are courses with no pre-requisites which are open to all TCU students. Several of these fulfill Core Curriculum requirements. RTVF majors and minors may take them as electives only; they do not fulfill RTVF major or minor requirements.

### Major in Radio-TV-Film

- A minimum of 124 semester hours is required to graduate from TCU. At least 42 semester hours must be earned at the 30000-level or above.
- A minimum of 37 semester hours in the RTVF major is required. At least 12 semester hours must be at the 30000-level or above. Specific department requirements are described below.
- RTVF majors must complete a minor of at least 18 hours. Requirements for individual minors must be followed.
- RTVF majors must complete the Core Curriculum requirements as described elsewhere in this catalog. Information about the Core Curriculum can be found at the website: <http://www.core.tcu.edu/>
- A student earning a Bachelor of Arts will take 6 semester hours in one foreign language at the 20000-level or above.

### Departmental Requirements

**Step One:** All RTVF majors will complete the following core courses with a "C" or better and a combined GPA of at least 2.5:

10113 History of Broadcasting

10123 History of Film

10143 Introduction to Film and Television Aesthetics

**Step Two:** All RTVF majors take two courses in each of three areas:

I. Production: Any two Production courses

II. Industry: RTVF 20523 and any other RTVF Industry course

III. Analysis: RTVF 20583 and any other RTVF Analysis course

**Step Three:** Each student then chooses one of these areas of specialization. The student must take three

additional courses in that area.

**Step Four:** All RTVF majors must complete 40901 Senior Seminar (1 semester hour) in the last semester of their senior year.

**Majors in Radio-Television-Film must achieve the following minimum academic requirements as a prerequisite to enroll in Radio-Television-Film courses at the 20000-level and above:**

1. Overall TCU GPA of 2.5;
2. Minimum cumulative GPA of 2.5 for all courses taken within the Department of Radio-Television-Film;
3. "C" or better in all courses taken in the Department of Radio-Television-Film.

Students whose overall or departmental grade point average falls below 2.5 cannot enroll in a sophomore, junior or senior level RTVF course until the 2.5 GPA is achieved.

*The only exceptions are Open Electives courses, which have no prerequisites and are open to all TCU students, but which may not be used to fulfill RTVF major or minor requirements.*

The ultimate responsibility for knowing the pre-requisites for a course lies with the student and is noted in this catalog. Students who wish to apply for "permission of instructor" or "permission of department" to take a class must submit a request in writing to the RTVF Department prior to registration. The Department does not guarantee that all who wish to enroll in these classes will be accepted.

#### I. Production Courses

20203 Audio Production I  
 20213 Video I  
 20223 Cinematography I  
 20243 Lighting and Design  
 20510 FM Station Operations  
 30153 Dramatic Style and Structure  
 30203 Audio Production II  
 30213 Video II  
 30223 Cinematography II  
 30243 Directing  
 30353 Acting for Television  
 30393 Theory and Practice of Digital Media  
 30510 Advanced FM Station Operations  
 30713 Remote Sports Production  
 30723 Producing the Live Sports Event  
 30733 Audio Production for Sports Television and Radio  
 40113 Sports Broadcasting  
 40153 Dramatic Writing  
 40213 Video III  
 40333 Post Production  
 40383 Documentary Production  
 40713 Global Sports Media  
 45113 Producing

#### II. Industry Courses

20523 Business of Media  
 30513 Audience Research  
 30523 Media Marketing & Promotion  
 30573 Broadcast & Cable Programming  
 30663 Film in a Global Society  
 40223 Entertainment Law and Finance  
 40503 Media Industry Law & Regulation  
 40513 Topics In Media Industries Studies  
 40523 Management for Broadcast, Cable, and Film  
 40773 Media in Britain  
 40813 Sex and Violence  
 50443 Studies in International Broadcasting  
 50403 New Technologies

#### III. Analysis Courses

20583 Media Analysis  
 30363 Analysis of Screen Performance  
 30410 Film Genres  
 30593 Television, Culture, and Society  
 30643 British Cinema and European Culture  
 40003 Senior Honors Research Paper  
 40440 Topics in Film  
 40570 Topics in Television  
 40580 Topics in Sports Media  
 40623 Topics in National Cinemas  
 40683 Film Theory and Criticism  
 50400 Advanced Studies in RTVF

#### IV. Open Electives

NOTE: These are courses with no pre-requisites which are open to all TCU students. Several of these fulfill Core Curriculum requirements. RTVF majors and minors may take them as general electives only; they do not fulfill RTVF major or minor requirements.

10013 TV Studies for Non-Majors  
 10053 Survey of Film  
 10073 Media Adaptations  
 10093 Media, Politics and Social Values  
 30433 American Cinema  
 30983 Women in Television and Film  
 40653 Popular Music and the Recording Industry

#### *Sports Broadcasting Emphasis*

Radio-TV-Film offers a Production emphasis in Sports Broadcasting which provides students the opportunity to acquire specialized skills relevant to sports-related media industries. Students pursuing this option will work with an RTVF faculty advisor in choosing classes. For details, please contact the RTVF Department.

#### **Minor in Radio-TV-Film**

The minor in Radio-TV-Film requires 18 hours, including: 10113 (History of Broadcasting), 10123 (History of Film), 10143 (Introduction to Film and Television Aesthetics), and 20583 (Media Analysis). RTVF 10053 cannot be used to fulfill minor requirements. The six remaining hours must be upper level and selected from the following list. Students are responsible for meeting all prerequisites on specific courses.

30153 Dramatic Style and Structure  
 30353 Acting for Television  
 30363 Analysis of Screen Performance  
 30410 Film Genres  
 30593 Television, Culture, and Society  
 30643 British Cinema and European Culture  
 30663 Film in a Global Society  
 40153 Dramatic Writing  
 40440 Topics in Film  
 40570 Topics in Television  
 40623 Topics in National Cinemas  
 40683 Film Theory and Criticism

Minors in Radio-TV-Film must achieve the following minimum academic requirements as a prerequisite to enroll in Radio-TV-Film courses at the 20000 - level and above:

1. Minimum GPA of 2.5 for the three RTVF core courses;
2. Minimum cumulative GPA of 2.5 for all courses taken within the Department of Radio-TV-Film;
3. "C" or better in all courses taken in the Department of Radio-TV-Film.

NOTE: The only exceptions are Open Electives courses, which have no prerequisites and are open to all TCU students, but which may not be used to fulfill RTVF major or minor requirements.

#### **Admission of Transfer students**

Transfer students admitted to TCU are not guaranteed admission to the Radio-TV-Film major. All potential RTVF majors-including transfer students-must complete the three core courses (10113, 10123, 10143) and then follow the procedures to proceed in the major. Transfer students must submit a written request for the Department of Radio-TV-Film to consider accepting any substitutes for the RTVF 10113, 10123, or 10143. Each such request will be considered on an individual basis.

#### **Professional Affiliations and Accreditation**

The Department of Radio-TV-Film holds institutional memberships in the Broadcast Education Association, the National Association of Broadcasters, Texas Association of Broadcasters, Texas Association of Broadcast Educators, the International Communication Association, the International Television Association, and the University Film and Video Association.

*RTVF Facilities and resources* include KTCU, the student-operated campus radio station; two soundstages; a New Media Lab; an Avid Post-Production facility (the RTVF Department is the only Avid-Certified Training Center in Texas and surrounding states; and the Gwendolyn P. Tandy Memorial Film Library, a teaching resource with a current total of over 14,000 films and television programs on DVD, Laser Disc, and VHS.

#### **Internships**

The Department has an active supervised internship program that places students in radio stations, television studios, film production companies, audience research companies, and corporate/industrial media centers. Most interns work in the Dallas/Fort Worth Metroplex, but in many cases interns are placed in their hometowns or in major media markets such as Los Angeles, New York, and London. RTVF internships are available only to RTVF majors, and there are specific prerequisites. Interested students should contact the RTVF Department for current standards and procedures.

#### **Study Abroad**

Radio-TV-Film regularly offers summer courses in London. The Department has also offered courses in other locations. Contact the RTVF Department for current details and schedules for Study Abroad opportunities.



## Honors Program

Radio-TV-Film majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in RTVF 30003 during their junior year and RTVF 40003 during the fall semester of their senior year.

## Courses of Instruction

**RTVF 10013 TV Studies for Non-Majors.** Lecture and viewing sessions. An introduction to the field of television studies, including an examination of various approaches to the study of television history and the television industry within appropriate social and cultural contexts. Viewing of significant programming in television history. Designed for non-majors.

**RTVF 10053 Survey of Film.** Lecture and viewing sessions. Includes examination of the development of film structure and aesthetics within appropriate social and cultural contexts. Viewing of significant films in cinema history. Designed for non-majors. RTVF majors may not use this course to fulfill major requirements or Fine Arts UCR requirement.

**RTVF 10053 Survey of Film.** Lecture and viewing sessions. Includes examination of the development of film structure and aesthetics within appropriate social and cultural contexts. Viewing of significant films in cinema history. Designed for non-majors. RTVF majors may not use this course to fulfill major requirements or Fine Arts UCR requirement.

**RTVF 10073 Media Adaptations.** Examination of film/television adaptations from literature, with emphasis on the discussion of style, structure, and characterization, and on the cultural factors which affect adaptations (financial expectations of different media, censorship and self-regulation of content, etc.) Topics may include film/television programs adapted from plays, short fiction, or novels; the course may also address "novelizations" of stories which first appeared as films or television programs, musical adaptations of non-musical films, and remakes.

**RTVF 10093 Media, Politics, and Social Values.** This course examines how US television and film directly address social values, citizenship, and politics, and encourage individual citizens to participate in the political process. Topics might range from media images of the Great Depression or the Cold War to movies/TV programs depicting social problems (drug addiction, delinquency, crime) or social activism (workers' rights, unionism). All of the media studied will present specific interpretations of the rights and responsibilities of individuals and groups in their political and cultural environments; students will analyze and compare these interpretations.

**RTVF 10113 History of Broadcasting.** Lecture and viewing sessions. An intensive overview of the history of radio, television and related electronic media from 1900 to the present. Topics include the rise of the network system, programming and the evolution of broadcast technology. This course is designed for majors and minors; the minimum acceptable grade is a 'C'.

**RTVF 10123 History of Film.** Lecture and viewing sessions. An intensive history of film from 1890 to the present. Includes examination of the development of film structure within social and cultural contexts, the Hollywood studio system, and selected international cinema systems. This course is designed for majors and minors; the minimum acceptable grade is a 'C'. RTVF 10053 may not substitute for this course.

**RTVF 10143 Introduction to Film and Television Aesthetics.** An overview of how motion pictures and television programs can be "read" and analyzed as complex aesthetics texts. The course is designed to complement and provide a framework for all other RTVF courses. Class combines lecture, discussion and viewing sessions. This course is open to majors and minors only.

**RTVF 10433 Freshman Seminar in Radio-TV-Film.** Topics may vary each time it is offered.

**RTVF 10533 Freshman Seminar in Radio-TV-Film.** Topics may vary each time it is offered.

**RTVF 20203 Audio Production I.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in and a 2.5 average GPA in RTVF 10113, 10123, and 10143; RTVF majors only. Fundamentals of audio production. Lecture and laboratory projects designed to acquaint students with audio production requirements and responsibilities.

**RTVF 20213 Video I.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in and a 2.5 average GPA in RTVF 10113, 10123, and 10143; RTVF majors only. Lecture and laboratory. Fundamentals of video preproduction, production, and direction. Functions and responsibilities of the production crew and equipment utilization.

**RTVF 20223 Cinematography I.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in and a 2.5 average GPA in RTVF 10113, 10123, and 10143; RTVF majors only. Lecture and Laboratory. Principles and practices of 16mm and electronic cinematography, lighting, sound, and editing. Individual exercises and group projects.

**RTVF 20243 Lighting and Design.** Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20213 or RTVF 20223; RTVF majors only. Lecture and laboratory. Theory and practice of lighting and production design for film and video.

**RTVF 20510 FM Station Operations.** Prerequisites: RTVF majors: at least a 2.5 overall TCU GPA; at least a "C" grade in RTVF 10143 and permission of the department. JOUR majors: permission of department. Open to RTVF and JOUR majors only. Practicum in various phases of station operation. Students serve in different staff capacities at KTCU-FM. (maximum 3 semester hours; 1-3 semester hours per semester.)

**RTVF 20523 Business of Media.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in and a 2.5 average GPA in RTVF 10113, 10123, and 10143; RTVF majors only. This course provides an intensive overview of radio, TV, and film business practices, including the structure of media companies; how media conceptualize and measure their audience; strategies (i.e., promotion, advertising) media companies use to attract an audience, and regulatory structures that govern the radio, TV, and film industries.

**RTVF 20583 Media Analysis.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in and a 2.5 average GPA in RTVF 10113, 10123, and 10143; RTVF majors and minors only;

ENGL 10803. Students in this course will develop a critical perspective on broadcasting and film. Intensive practice in analyzing and writing about broadcast programs and motion pictures.

**RTVF 30003 Honors Tutorial.** Prerequisites: Junior standing and membership in the Honors Program. This course is offered only as a tutorial and the specific topic is determined by consultation with an instructor. Arrangements for this course must be made with an instructor the semester prior to enrollment.

**RTVF 30153 Dramatic Style and Structure.** Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in and a 2.5 average in RTVF 10113, 10123, and 10143; Open to RTVF Majors and Minors only. Analysis of dramatic writing styles for stage and screen.

**RTVF 30203 Audio Production II.** Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20203; RTVF majors only. Lecture and laboratory. Practicum in advanced radio, audio and music production, program direction, and multi track recording for advertising and music. Basic principles of radio programming.

**RTVF 30213 Video II.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20213 and pre- or concurrent enrollment in RTVF 20243; RTVF majors only. Lecture and laboratory. Intermediate level production and direction of studio and non-studio video.

**RTVF 30223 Cinematography II.** Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20223; RTVF majors only. Practicum in advanced cinematography. Advanced study of lighting and film exposure techniques. The course culminates with an advanced 16mm film project.

**RTVF 30243 Directing.** Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 30213; RTVF majors only. Lecture and laboratory. An exploration of the role of the director in film and video production. Includes examination of case studies as well as practical exercises.

**RTVF 30353 Acting for Television.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in and a 2.5 average GPA in RTVF 10113, 10123, and 10143; RTVF majors and minors only. Non-RTVF majors/minors may apply for permission of instructor. An exploration of the theories and techniques of on-camera performance. Students act in student-directed video projects and critique their work in class. Projects and assignments focus on improving performance skills as well as developing strategies to work with talent in a production setting.

**RTVF 30363 Analysis of Screen Performance.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20583; RTVF majors and minors only. Non-RTVF majors/minors may apply for permission of instructor. An intermediate level course that explores screen acting from a historical and critical perspective. Students learn to formulate and express critical opinions, applying film theories and methodologies to the specific area of screen performance.

**RTVF 30393 Theory and Practice of Digital Media.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20203 and either 20213 or 20223. RTVF majors only. This course provides students with the aesthetic skills and technical knowledge needed to develop and implement Web design and Interactive Media as well as titles and graphics, process shots, and special effects for film and video.

**RTVF 30410 Film Genres.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20583; RTVF majors and minors only. Historical and critical overview of various film genres, with viewing and analysis of representative films. (6 semester hours maximum; 3 hours per semester)

**RTVF 30433 American Cinema.** Lecture and viewing sessions. An overview of the history of American cinema from 1895 to the present. Includes examination of the development of American film from a cultural and historical perspective. Topics include Hollywood system, Independent cinema, Ethnic cinema, and Minority cinema. Open to non-majors.

**RTVF 30510 Advanced FM Station Operations/Management.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20510 and permission of instructor. Open to RTVF majors only. Practicum in operations and management of FM radio stations. Students serve as managers and mentors in station operations. Students may be assigned to KTCU-FM in areas such as programming, operations, music formats, sports, and news. (maximum 3 semester hours; 1-3 hours maximum per semester.)

**RTVF 30513 Audience Research.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523; RTVF majors only; Math 10043 recommended. Introduction to qualitative and quantitative research methodologies used to measure audiences in the media industries.

**RTVF 30523 Media Marketing and Promotions.** Prerequisites: RTVF Majors: at least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523. JOUR majors: JOUR 30313 or permission of instructor. Principles and techniques of developing successful marketing and promotions campaigns in the media industries. Course focuses on issues of market research, advertising strategies, identity and image development, and creative execution. (Offered as RTVF or JOUR credit.)

**RTVF 30573 Broadcast and Cable Programming.** Prerequisite: At least 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523; RTVF majors only. Historical overview of broadcast programming trends. Current program practices and strategies in radio, television, cable and other electronic media.

**RTVF 30593 Television, Culture and Society.** Prerequisite: At least 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20583; RTVF majors and minors only. Issues in the relationships among television, culture, and society. Emphasis on understanding the role television has played in the development of mass culture and the influence of television on contemporary society.

**RTVF 30643 British Cinema and European Culture.** Prerequisite: RTVF 10123, or permission of instructor. Using a cultural/historical perspective, this course focuses upon postcolonial, social, economic, and political factors that create the visual image in British cinema. Investigates the representation of Britain's identity in European culture. Examined through a series of seminars, guest lectures, and on-site visits to studios and museums in London.

**RTVF 30663 Film in a Global Society.** Prerequisites: RTVF 10123, and 20523, or permission of instructor. Examines the increasingly global nature of the film and broadcasting industries, and explores the impact of US films

abroad, using the British market as a specific subject of analysis. Includes a series of seminars, guest lectures, and on-site visits to studios and museums in London.

**RTVF 30713 Remote Sports Production.** Prerequisites: At least 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20203 and 20213; RTVF majors only. This course gives the student practical hands-on experience producing 'live' sporting events such as: football, baseball, basketball, soccer, tennis and other sports. Students will be responsible for all aspects of the production from director to camera operator.

**RTVF 30723 Producing the Live Sports Event.** Prerequisites: At least 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20203, 20213, and 30713; RTVF majors only. This course will prepare students as producers, associate producers, and production managers for sports production. Combining lecture and lab students will learn all of the necessary skills to be able to produce 'live' sporting event broadcasts. Students enrolled in this course will produce TCU sporting events.

**RTVF 30733 Audio Production for Sports: Television and Radio.** Prerequisites: At least 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20203. RTVF majors only. Audio techniques, theory, and application for sports broadcasting. The application of techniques for live sports television and radio. Includes microphone choice and placement, mixing techniques, IFB, and replay video monitor deployment. Labs include actual on-site broadcasts of sporting events (live to tape). This is not a play-by-play announcing course.

**RTVF 30860 Internship in Radio-TV-Film.** Prerequisites: RTVF majors only. Permission of department is required. At the time of application for an internship, students must have a GPA of 3.0 or better in RTVF courses, must have completed 21 hours of RTVF courses including RTVF 20523 with 'C' or higher grade, and at least one of the following courses (with a 'C' or higher) RTVF 20203, 20213, 20223, or 40333. Supervised study, experience, and on-the-job training in a media-related organization. This course may only be taken on a pass-no credit basis. This course may not be used to fulfill requirements for a major or minor in RTVF; it is an RTVF elective only. (1-6 semester hours, 3 hours maximum per semester.)

**RTVF 30983 Women in Television and Film.** This course examines the relationship between women and the electronic media. Specific issues include the social construction of gender and gender roles, the influence of media stereotypes, and the critical evaluation of artistic works created by female writers, producers, and directors.

**RTVF 40003 Senior Honors Research Paper.** Prerequisites: RTVF 30003. Senior standing and membership in the Honors Program. A supervised research experience and a thesis that is usually based on the subject matter studied in 30003. This course is offered only as a tutorial; arrangements must be made with an instructor prior to enrollment.

**RTVF 40113 Sports Broadcasting.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade and a 2.5 average in RTVF 10113, 10123, and 10143. Overview and analysis of sports broadcasting. This course teaches the fundamentals of both on-air talent and behind-the-scenes production of both television and radio sports production.

**RTVF 40153 Dramatic Writing.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 30153. Non-RTVF majors/minors may apply for permission of instructor. Principles and techniques of writing fiction for the screen. Conducted as a workshop.

**RTVF 40213 Video III.** Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 30213; RTVF majors only. Advanced problems in video production. A variable topic lecture/laboratory course.

**RTVF 40223 Entertainment Law and Finance.** Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523; RTVF majors only. An examination of legal and financial issues related to film and television production. Topics covered may include employment contracts, permits and releases, music licensing, guilds and unions, financing, and production and distribution revenues and expenses. Counts as 'industry' credit.

**RTVF 40333 Post-Production.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20213 or RTVF 20223; RTVF majors only. This course examines the principles and techniques of non-linear editing. Students will log time on the department's Avid system.

**RTVF 40383 Documentary Production.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20213 and 40333. RTVF majors only. In this course, students will examine a variety of documentary styles and will apply their production skills to the practice of documentary filmmaking.

**RTVF 40440 Topics in Film.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20583; RTVF majors and minors only. Using a variety of theoretical and critical approaches, students will examine limited topics such as films produced within a particular time period, films by specific directors, or film which are unified by theme or style. (6 hours maximum; 3 hours per semester).

**RTVF 40503 Media Industry Law and Regulation.** Prerequisite: Senior standing, at least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523; RTVF majors only. Structural and content regulation of the media industries. Court cases bearing on media industries. Introduction to legal research and writing.

**RTVF 40513 Topics in Media Industry Studies.** Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523; RTVF majors only. An in-depth examination of selected issues relating to media industry business practices. (6 semester hours maximum; 3 hours per semester)

**RTVF 40523 Management for Broadcast, Cable, and Film.** Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523; RTVF majors only. The organization and administration of broadcast, cable and film operations. Management techniques and strategies, including forecasting, planning, statistical and financial analysis, and interpersonal communication.

**RTVF 40570 Topics in Television.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20583; RTVF majors and minors only. An in-depth analysis of selected television genres and industry practices from a variety of critical and theoretical perspectives. (6 semester hours)

maximum; 3 hours per semester)

**RTVF 40580 Topics in Sports Media.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523 and 20583; RTVF majors only, or permission of instructor. Using a variety of theoretical and critical approaches, this course will examine coverage of sporting events in the broadcast media as well as depictions of athletes and athletic events in fiction film and television programming. (6 semester hours maximum; 3 hours per semester)

**RTVF 40623 Topics in National Cinemas.** Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20583; RTVF majors and minors only or permission of instructor. Investigation of the historical and cultural developments of a selected national cinema including the examination of film structure and aesthetics in a selected cultural setting. Topics will include the national cinemas of Japan, India, Germany, Italy, etc. (6 semester hours maximum; 3 hours per semester)

**RTVF 40653 Popular Music and the Recording Industry.** This course explores how popular music functions as a significant media industry and source of culture in contemporary society.

**RTVF 40683 Film Theory and Criticism.** Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20583; RTVF majors and minors only. Survey of classical and contemporary film theories.

**RTVF 40713 Global Sports Media.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20203, 20213, and 30723; RTVF majors only. This course provides students with the knowledge and skills needed to produce sports events internationally such as: The Olympics, World Cup Soccer, Skiing, Sailing, and Golf. This course will examine legal issues, rights fees, and problems associated with producing an event overseas.

**RTVF 40773 Media in Britain.** An overview of contemporary media in Great Britain, focusing on the press, television, and cinema. Taught only in London.

**RTVF 40813 The Business and Regulation of Media Sex and Violence.** Prerequisites: At least a 2.5 over TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523. An examination and historical overview of media product producer strategies utilizing sexual and/or violent content to attract audiences, as well as governmental strategies and regulations to limit sexual and/or violent content in the media. Industry credit.

**RTVF 40900 Special Problems in Radio, Television and Film.** Prerequisite: Junior standing. A conference course designed to give an individual student opportunities for additional specialized work in his or her area of concentration. Prerequisites may vary for different sections of this course. 1-6 semester hours

**RTVF 40901 Senior Seminar in Radio-TV-Film.** Prerequisite: Students must be in last semester of senior year. A review and synthesis of material covered in the RTVF major. This course is required for RTVF majors; the minimum acceptable grade is a "C." (1 semester hour.)

**RTVF 45113 Producing.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; at least a "C" grade in and a 2.5 average GPA in RTVF 10113, 10123, and 10143; and at least a "C" grade in RTVF 20213 and 20523; RTVF majors only. An advanced exploration of film and video producing, with an examination of techniques used by producers and financial, budgeting, and legal issues facing today's producers. All phases of the producing process will be examined, from acquiring the property, to pre-production, principal photography and post-production, as well as distribution.

**RTVF 50400 Advanced Studies in Radio, Television, and Film.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 10113, 10123, and 10143; senior or graduate standing. Seminar in radio, television, and film. 3-6 semester hours; maximum 3 semester hours per semester.

**RTVF 50403 New Technologies.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523; RTVF majors only, or permission of instructor. Overview of developments of media technologies and analysis of impacts of new technologies on media business practices.

**RTVF 50443 Studies in International Broadcasting.** Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all RTVF courses; and at least a "C" grade in RTVF 20523; RTVF majors only. This seminar course takes a comparative approach to the study of broadcasting. Examines the structure of broadcast media outside the U.S., including production, programming, regulation, finance, and the social effects of broadcasting.

**RTVF 50970 Special Problems in Radio, Television, and Film.** Prerequisite: Senior or graduate standing. A conference course designed to give an individual student opportunities for additional specialized work in his or her area of concentration. (1-6 semester hours)

## Communication Studies

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### (COMM)

Available as a major on the B. S. degree with a coursework emphasis in either Communication in Human Relations or in Communication Studies. A major in Communication Studies is also available on the B. A. degree.

A degree in Communication Studies can serve the academic and career objectives of a variety of students. An essential component of a liberal arts education, competence in oral communication is a requirement for most positions in modern business and industry. The Communication in Human Relations emphasis provides majors with the opportunity to develop proficiency in spoken communication in an academic program providing flexibility and adaptability to a variety of professional contexts. The Communication Studies emphasis provides majors with the understanding of interpersonal and public communication processes needed for careers in teaching, research, and for further professional or academic study.

Students may declare a major in Communication Studies in one of two ways: as incoming freshmen or after having completed at least 30 hours of coursework including a grade of "C" or better in either COMM 10123 (Basic Speech Communication), COMM 20113 (Interpersonal Communication), or COMM 20223 (Exploring Human Communication) and an overall GPA of at least 2.25.

Majors taking classes counting toward departmental degree requirements must take them for graded credit. Any courses completed in department receiving a pass under the TCU Pass/No Credit Policy before declaring Communication Studies as a major, will count as university electives, but will not count toward the hour requirement to satisfy the major.

### Bachelor of Science Degree

**B. S. Degree with a major in Communication Studies** consists of a total of 124 semester hours: Communication Studies-36 semester hours; Core Curriculum requirements as described elsewhere in this catalog. Information about the Core Curriculum is found at the website: <http://www.core.tcu.edu>

**Communication in Human Relations Emphasis.** Coursework in this area stresses oral communication performance and applied communication. The student must complete COMM 10123 and 18 semester hours of coursework in the sequence, selected from Communication in Human Relations courses. The remaining 15 semester hours are selected from other courses in the department with consent of an academic advisor.

**Communication Studies Emphasis.** Coursework in this area stresses an understanding of communication processes and contexts. The student must complete COMM 10123 and 18 semester hours of coursework in the sequence, selected from Communication Studies courses. The remaining 15 semester hours are selected from other courses in the department with consent of an academic advisor.

### Bachelor of Arts Degree

**B. A. degree with a major in Communication Studies** consists of a total of 124 semester hours: Communication Studies - 27 semester hours, including COMM 10123 and COMM 20223; the Core Curriculum Requirements; Additional-must consist of 1)minor of 18 semester hours or 2)second major. An internship may not be counted as part of the 27 semester hour requirement in the major. **B.A. students must complete at least six hours in modern language beyond the freshman level.**

### Minor in Communication Studies

A minor requires 18 semester hours, including COMM 10123 and a sequence of approved courses. A minimum of 6 hours must be at the 30000 level or above.

Minors taking classes counting toward departmental requirements must take them for graded credit. Any courses completed in the department receiving a pass under TCU Pass/No Credit Policy before declaring speech communication as a minor, will count as university electives, but not toward the hour requirement to satisfy the minor.

### Combined Masters/Bachelors 3/2 Program

TCU Communication Studies majors may earn both a Bachelor of Arts or Science degree and a Master of Science degree in five years. Students may apply for the program after completing at least 106 semester hours and satisfying the Core Curriculum and other degree requirements with the exception of 18 hours of elective courses. Students will complete 18 hours of graduate level courses during their fourth and fifth years of study satisfying the requirements for the Bachelor and Masters degrees.

To be eligible for the 3/2 program, students must formally apply for admission to the Communication Studies graduate program and meet the general requirements for admission to graduate study including, outstanding grade point average, letters of recommendation, and acceptable scores on the Graduate Record Examination's Verbal and Quantitative sections. Prospective 3/2 students must contact their advisor in the Department of Communication Studies or the Director of Graduate Studies for preliminary advisement early in their undergraduate program.

### Honors Program

Communication Studies majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in COMM 30003 during their junior year and COMM 40003 during their senior year. Honors students should consult with the Chair of the Communication Studies Department concerning additional guidelines.

### Communication Studies Subcategories

#### Communication in Human Relations

COMM 10123 Basic Speech Communication  
 COMM 20103 Business and Professional Speaking  
 COMM 20113 Interpersonal Communication  
 COMM 20133 Instructional Communication  
 COMM 20193 Human Information Processing  
 COMM 30103 Argumentation and Debate  
 COMM 30123 Parliamentary Debate  
 COMM 30133 Group Discussion  
 COMM 30153 Interviewing  
 COMM 30163 Organizing Communication  
 COMM 30173 Advanced Public Speaking  
 COMM 40103 Communication in Business and the Professions  
 COMM 40123 Internship

#### Communication Studies

COMM 20223 Exploring Human Communication  
 COMM 30213 Special Issues in Interpersonal Communication  
 COMM 30223 Power and Influence in Interpersonal Communication  
 COMM 30243 Communication in Lasting Relationships  
 COMM 40213 Perspectives on Ethics in Communication  
 COMM 40233 Communication in Group Leadership  
 COMM 50223 Nonverbal Communication

#### General Courses

COMM 10433 Freshman Seminar in Communication Studies  
 COMM 30003 Honors Seminar: Current Developments in Communication Studies  
 COMM 30253 Communicating Interculturally  
 COMM 30970 Independent Study  
 COMM 40003 Honors Research Paper  
 COMM 40113 Conflict Management  
 COMM 40143 Communication and Career Success  
 COMM 50233 Measurement of Communication  
 COMM 50970 Special Problems in Communication Studies

#### Courses of Instruction

**COMM 10123 Basic Speech Communication.** Surveys fundamental communication concepts with emphasis on developing public speaking skills.

**COMM 10433 Freshman Seminar in Communication Studies.** Prerequisite: Freshman seminar. Examination of contrasting models and standards of communication ethics. Students apply standards to specific problem situations in politics, advertising, interpersonal communication, and writing in making reasoned and informed personal judgments concerning the ethics of public and private communication.

**COMM 20103 Business and Professional Speaking.** The role of Speech Communication in the modern organization with special focus on the development of communication skills particular to business and the professions.

**COMM 20113 Interpersonal Communication.** Consideration of effective speech communication strategies in interpersonal situations. Practice in the development of appropriate communication skills in face-to-face interactions.

**COMM 20133 Instructional Communication.** Emphasizes lecturing and discussion leadership in instructional settings. Recommended for students seeking teacher certification in any area as well as those interested in professional and non-professional teaching in such areas as religious education, employee training, management and community activities.

**COMM 20193 Human Information Processing.** Introduction to the reception and processing of information. Examines theory and research in areas such as attention, cognitive capacity, and attribution. Examines the role of listening in a variety of contexts, including therapeutic communication, learning, and critical thinking.

**COMM 20223 Exploring Human Communication.** Applies communication theory and practice to a broad range of communication phenomena in intrapersonal, interpersonal and public communication settings.

**COMM 30003 Honors Seminar: Current Developments in Communication Studies.** Offered as an honors tutorial and to selected majors who are not honors candidates. Study of current issues in Speech Communication and related fields with opportunity for development of an area of specialization.

**COMM 30103 Argumentation and Debate.** Prerequisite: COMM 10123 or 20103 or permission of instructor. Training in clear, logical, and persuasive communication; analysis, exposition, reasoning, and use of evidence; practice in effective delivery; and classroom participation in debates.

**COMM 30123 Parliamentary Debate.** Students will investigate British origins of contemporary Parliamentary debate and decision-making, will visit important sites such as the Houses of Parliament and Hyde Park Speaker's

Corner, and will learn to conduct parliamentary debates and employ rules of parliamentary procedure in meetings.

**COMM 30133 Group Discussion.** Participation in decision-making groups to develop skills related to effective group communication. Factors affecting group interactions are considered.

**COMM 30153 Interviewing.** Applies dyadic communication principles to specialized interviewing situations. Skills development is stressed.

**COMM 30163 Organizational Communication.** Communication channels and networks in organizations; analysis of barriers to effective communication; solving practical communication problems; communication and dynamics in work groups.

**COMM 30173 Advanced Public Speaking.** Prerequisite: COMM 10123 or 20103 or permission of instructor. Training in speech performance and speech evaluation skills. Theory and practical experience related to the formulation, presentation, and evaluation of informative and persuasive public speeches.

**COMM 30213 Special Issues in Interpersonal Communication.** Prerequisite: COMM 20113. Explores interpersonal communication within special contexts. Includes theoretical concepts applicable to gender, aging, and health.

**COMM 30223 Power and Influence in Interpersonal Communication.** Prerequisite: COMM 10123 and COMM 20113, or permission of the instructor. Explores theory and research related to social influence in relationships and communication processes.

**COMM 30243 Communication in Lasting Relationships.** Prerequisite: COMM 10123, 20223, or permission of instructor. Examination of useful theory and research findings on the role of interpersonal communication in the initiation, maintenance and possible dissolution of lasting relationships.

**COMM 30253 Communicating Interculturally.** Prerequisite: COMM 20113. This survey course examines the influence of culture on our communicative interactions with others. Emphasis is placed on identifying the relationship between communication and culture, developing intercultural communication competence, and understanding the elements that constitute and separate cultures.

**COMM 30970 Independent Study.** Prerequisite: Permission of instructor. Independent work in specially designed projects not covered by regular course offerings. (1-6 semester hours, 3 hours maximum per semester.)

**COMM 40003 Honors Research Paper.** A research paper developing from the student's specialization in the Honor's Seminar.

**COMM 40103 Communication in Business and the Professions.** Prerequisite: COMM 10123, and COMM 30163 or permission of instructor. Explores topics relevant to successful oral and written communication in today's dynamic business climate. Expressing ideas through discussion and written assignments will be emphasized.

**COMM 40113 Conflict Management.** Prerequisites: COMM 10123, and 20113. Seminar designed to acquaint students with the factors affecting interpersonal conflict and to provide students with appropriate communication skills necessary for successful conflict resolution and negotiation in a variety of contexts, both personal and professional. Emphasis is on exploring practical, theoretical and critical analyses of conflict and negotiation in an active learning environment.

**COMM 40123 Internship.** Prerequisite: Complete 15 hours in Communication Studies, including 9 hours in Communication in Human Relations emphasis courses; junior or senior standing; departmental approval. Participation in professional internship experience approved by course instructor. Weekly meeting in classroom setting allows discussion and analysis of professional issues. Open to majors only.

**COMM 40143 Communication and Career Success.** Prerequisite: COMM 10123. Explores communication skills critical to career success. Understanding, assessment, and improvement planning are stressed with a strong emphasis upon application of theory and research in pragmatic career development and organizational contexts.

**COMM 40213 Perspectives on Ethics in Communication.** Prerequisite: COMM 10123. Examination of contrasting models and standards of communication ethics. Students apply standards to specific problem situations in politics, advertising, writing, and interpersonal communication in making reasoned and informed personal judgments concerning the ethics of public and private communication.

**COMM 40233 Communication in Group Leadership.** Prerequisite: COMM 10123 and 30163 or permission of instructor. Understanding the role of speech communication in the leadership process. Development of practical leadership communication skills and consideration of communication behavior demonstrated by leaders.

**COMM 50223 Nonverbal Communication.** Prerequisite: Majors only, senior or graduate standing. Review and critical analysis of theory and research applied to social, vocational and educational settings.

**COMM 50233 Measurement of Communication.** 1.) Prerequisite: Senior or graduate standing. A study of principles of measurement theory, tactics for measuring communication variables, techniques of analysis and presentation of data, instruments and apparatus, and classic research studies in measuring communication behavior. 2.) Study of principles of measurement theory, tactics for measuring communication variables, techniques for analysis and presentation of data, instruments and apparatus and classic research studies in measuring communication behavior.

**COMM 50970 Special Problems in Communication Studies.** Prerequisite: Senior or graduate standing. Specialized work in student's area of concentration. 1-6 semester hours, 3 hours maximum per semester.

# The School of Education

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### Overview

The mission of the School of Education at TCU is to develop effective, ethical educators with a passion for learning. As professionals and active citizens in our community, we strive to create a humane and just society in which all individuals can develop their full potential. We are governed by an ethical code that documents our obligations to students, colleagues, and the community, which includes rationality and objectivity in our professional judgments and actions, civility and caring in our interactions with others, and encouragement of diverse views on issues of significance to society.

Consistent with the above values, our core beliefs connect a strong foundational knowledge base with professional practice. Professionals in education study and expand the knowledge base of effective practice and ground their practice in theory and research and acquire expertise through activities in diverse, field-based settings which are exemplars of practice. They also promote high student achievement and a passion for learning by mastering content knowledge and effective pedagogical skills, using multiple strategies, resources, and technologies to plan, implement, and assess instruction and to document effectiveness with students, and synthesizing knowledge from relevant, academically diverse perspectives and a variety of theoretical orientations and approaches. In addition, educational professionals provide service and leadership in diverse settings, ranging from local to global communities, seek to improve professional settings and society, and collaborate with representatives from various groups within and outside the educational community.

The School of Education offers studies culminating in the Bachelor of Science degree, as well as studies leading to teacher certification. The school offers majors in Early Childhood Education (EC-4th grades), Middle School Education (4th-8th grades), and Secondary Education (8th-12th grades). In addition, students can earn supplemental certification in Special Education. Courses are also offered for those students wishing to prepare for teaching English as a Second Language (ESL).

### Program Changes

**Programs listed in this bulletin reflect current State Board of Educator Certification (SBEC) standards. Minor changes may be made in these programs to meet additional certification standards adopted by SBEC.**

### Title II

Teacher preparation programs at institutions of higher learning are required to report the pass rates of their program graduates on the exams that qualify them for certification in their state. The U.S. Congress through amendments to the Higher Education Act in October 1998 enacted these new teacher preparation accountability measures. The most recent, complete Institutional Report for TITLE II is available on the School of Education web site.

### Admission to the Teacher Education Program

Students who plan to declare a major or minor in education or who plan to earn a teaching certificate must formally apply for admission to the Teacher Education Program of the university. To be eligible for admission, students must meet, or will meet during the semester in which they apply, the following minimum criteria; meeting only the minimum criteria, however, does not ensure admission to the Teacher Education Program.

1. Complete a minimum of 54 semester hours of course work.
2. Attain a minimum overall GPA of 2.5 on a minimum of 12 semester hours of course work at TCU.
3. Complete a course in each of the following areas of study, Speech Communication (OC), and Education 20003 (CI) with a grade of C or better.
4. Achieve a grade of C or better in any education courses taken prior to admission.
5. Evidence of completion of a current (within one year) criminal record check.
6. Attain required scores on one of the following tests of basic skills: THEA (TASP), ACT, or SAT.
7. The following score levels must be met on one of the tests of basic skills to qualify for admission to the Teacher Education Program

TASP  
Reading - 260  
Math - 230  
Writing - 220

SAT  
Composite - 1070  
Math - 500  
Verbal - 500

ACT  
Composite - 23  
Math - 19  
English - 19



**Texas Higher Education Assessment (THEA).** Students must attain required scores on the Texas Higher Education Assessment (THEA) examination prior to admission to the Teacher Education Program. The test consists of three sections; reading, writing, and mathematics; which may be taken together or at separate test administrations. Students are encouraged to take the THEA as early as possible, preferably during their freshman year. Copies of the test registration bulletin may be obtained in the School of Education.

Exceptions to the THEA are 1070 on the SAT with at least 500 on verbal and math or 23 on the ACT with 19 on English and math. These test scores must not be older than 5 years.

Students applying for admission to the Teacher Education Program should do so by March 1 for Fall admission and by October 1 for Spring admission. **Eligibility to apply does not ensure admission to the Teacher Education Program.** The Admissions Committee will consider minimum criteria as well as student performance (professional attitude, demeanor, abilities, and preparation) in School of Education coursework, and available space in the program. Any student who is denied admission may reapply later if the criteria for admission are met.

Any exception to these admission standards must be approved by the program faculty and the Dean, School of Education, and/or designee.

### **Transfer Student Admission**

To be eligible to apply for admission, in addition to meeting the minimum criteria, students transferring from another institution must complete a minimum of 12 hours of course work at TCU with at least a 2.5 grade point average.

### **Criminal Record Search**

In accordance with Article 6252-13c, Texas Civil Statutes, the Commissioner of Education may suspend or revoke a teaching certificate for a person who has been convicted of a felony or misdemeanor for a crime which directly relates to the duties and responsibilities of the teaching profession. The State Board of Educator Certification and TCU (at the request of SBEC) have begun a regular procedure for criminal record search of all certificate applicants.

TCU requires a criminal record search prior to placing students in field experiences. This requirement applies to pre-student teaching field experiences as well as to student teaching when required by a school district.

### **Liability Insurance**

As students enter public and private schools for observations, tutoring, after school programs and student teaching, it is important to be covered by liability insurance. Under Texas law both the student intern and teacher can be held responsible for a child's injury. For this reason, we strongly suggest TCU students be covered with liability insurance. This insurance is offered at low cost to teachers-in-training who belong to a teacher organization. Here at TCU, we have a School of Education organization that covers liability insurance, costs of defending claims, and provides the cost of an attorney. The TCU chapter of The Texas Student Education Association (TSTA-NEA) offers the coverage with student membership. Other teacher organizations in the state such as ATPE, UEA, and AFT offer similar coverage.

### **Retention in the Teacher Education Program**

Students must maintain high academic performance (a minimum 2.5 GPA overall and a grade of C or better in education courses), as well as high professional standards in order to advance in the program and to student teaching. The School of Education is dedicated to identifying and intervening to assist students who demonstrate difficulties maintaining these standards.

Any faculty member who has a concern with a student's performance and/or professionalism may initiate the Academic Performance and Professionalism Warning (APPW) process. The process operates as follows:

1. The faculty member fills out the APPW form describing the concerns and indicating potential strategies and solutions to resolve the problem.
2. A conference between the student and two faculty members is required to complete the APPW form. During the conference, the parties will discuss the student's understanding of the concerns, generate potential solutions, and agree upon a course of action. The APPW contract will be signed by the student and faculty. If the student fails to respond or attend a conference, faculty will complete the form and notify the student via certified mail.
3. The completed form is submitted to the Associate Dean, the student, and the faculty of the program in which the student is enrolled.
4. Any student receiving three notices through this process may be considered for dismissal from the program.
5. Except in an unusually severe or critical situation, no one notice will result in a student being dismissed from the program.
6. These notices do not become part of a student's permanent record.

### **Admission to Student Teaching**

Any student who wishes to be considered for admission to student teaching must have met the following requirements:

1. Completion of at least 90 hours of course work.
2. A minimum overall grade point average (TCU) of 2.5 and a grade point average of at least 2.5 in education courses and teaching field with no grade lower than a C.
3. Completion of at least two-thirds of the course work in teaching field.

4. Completion of Senior Seminar EDEC/EDMS/EDSE 30001: Professional Practice Seminar.
5. Application for student teaching by mid-term of the semester preceding enrollment in student teaching.

Any exception to these Student Teaching standards must be approved by the Program Faculty and the Dean, School of Education, and/or designee.

**Pass/No Credit Option.** No education course may be taken pass/no credit by anyone who intends to apply the course toward teacher certification with the exceptions of student teaching and the professional practice seminar. This policy does not affect pass/no credit options related to other courses outside the School of Education.

**Texas Examination of Educator Standards (TExES).** All Teacher Education Program candidates applying for Texas certification after graduation must pass proficiency tests (TExES) in their respective field of certification or supplemental area and must pass a professional development test at the appropriate level-EC-4, middle school, secondary school, or EC-12. Students who fail to take the appropriate TExES within three years of program completion must present documentation of completion of TExES review or additional course work prior to receiving a barcode.

**Texas Oral Proficiency Test (TOPT).** All individuals seeking Texas teaching certification with a major in bilingual education or Spanish or French must take the TOPT. This test must be taken in addition to the TExES exams required. Candidates who attain the TOPT's passing standard of advanced oral proficiency or higher will be recommended for certification.

#### **Starpoint and KinderFrogs Schools**

Starpoint and KinderFrogs Schools, located on the Texas Christian University campus, are laboratory schools for students with learning differences, and preschoolers with developmental delays. Starpoint provides a quality educational program for a small number of students with learning differences, ages 6-12 years. The KinderFrog School serves young children with Down syndrome and other developmental delays, ages 18 months to six years.

The mission of the laboratory schools is to serve as sites for teacher preparation, practicum experiences and educational research. Both laboratory schools are members of the National Association of Laboratory Schools that delineates the functions of a laboratory school as research, experimentation, clinical teaching experience, curriculum development and staff development. Both Starpoint and KinderFrogs provide a variety of volunteer, practicum and internship/student teaching opportunities for TCU students. The Starpoint School is accredited by the Southern Association of Colleges and Schools. The Kinderfrogs School is licensed by the Texas Department of Family Services and seeking accreditation by the National Association for the Education of Young Children.

#### **Honors Program**

Education majors who plan to pursue departmental honors must be members of the Honors Program and should enroll in EDUC 30003 during their junior year and EDUC 40003 during the fall semester of their senior year.

#### **Reading Improvement Services**

EDUC 10113 is a freshman level course designed to assist students with fundamental study skills. It is aimed primarily at incoming freshmen or transfer students who have had difficulty in previous college classes. Criteria for enrollment in the course are as follows:

1. Incoming Freshmen who score lower than 500 on SAT Verbal (17 on ACT English) and whose high school GPA is less than 2.5 will be permitted to enroll.
2. Entering transfer students will be permitted to enroll only by permission of the instructor.
3. Students with fewer than 36 hours of TCU course work will be permitted to enroll only if they have posted an overall TCU grade point average (GPA) below 2.25 the previous semester.
4. Students with 36 hours or more of TCU course work will be permitted to enroll only by permission of the instructor.
5. All other students who do not meet the above criteria and wish to be admitted to the course may do so only with permission of the Associate Dean.

#### **School of Education Career Services Center**

The Career Services Center maintains contact with public and private schools seeking teachers, school counselors, administrators, and other types of educational personnel. Registration with the Center entitles students to file a summary of their academic records, together with requested recommendations from teachers and others acquainted with their qualifications. Former students may use the Center in seeking positions. The Center provides on-campus interviews with school districts in Texas, as well as outside the state. Over 90 school districts conduct interviews on campus each year.

#### **Student Organizations**

The School of Education sponsors student organizations for the purpose of promoting professional goals and interests, as well as providing recreation and fellowship among members. An international honor society in

education, Kappa Delta Pi, invites to membership juniors, seniors, graduate students and classroom teachers who possess high scholarship ability. TCU's chapter of the Texas Student Education Association provides students with associate membership in the National Education Association and the Texas State Teachers Association. TSEA provides students with the opportunity to meet and discuss professional concerns and goals with experienced teachers in the profession. The Council for Exceptional Children pre-professional organization is open to all students interested in special education.

### **TCU Core Curriculum**

For majors in the School of Education seeking teacher certification:

### **HUMAN EXPERIENCES & ENDEAVORS**

#### **Humanities(HUM) - 9 hours required**

Religion (3 hours)

Choose 3 hours from:

RELI 10023 (HUM/RT) Religion: Communities  
 RELI 10033 (HUM/RT) Religion: Texts and Ideas  
 RELI 10043 (HUM/RT) Religion: Society & Culture

English Literature - (6 hours)

Choose 6 hours from:

ENGL 10103 (HUM/LT) Introduction to Fiction  
 ENGL 10113 (HUM/LT) Introduction to Poetry  
 ENGL 10123 (HUM/LT) Introduction to Drama  
 ENGL 20403 (HUM/LT) Major British Writers  
 ENGL 20433 (HUM/LT) Introduction to Shakespeare  
 ENGL 20503 (HUM/LT) Major American Writers  
 ENGL 20913 (HUM/LT) Literature & Civilizations

#### **Social Sciences(SSC) - 9 hours required**

HIST 10603 (SSC/HT) US History to 1877  
 HIST 10613 (SSC/HT) US History since 1877  
 POSC 10133 (SSC/CSV) American & Texas Government

#### **Natural Sciences(NSC) - 6 hours required**

Choose 3 hours from:

BIOL 10003 (NSC) Contemporary Issues in Biology  
 BIOL 10504 (NSC) Principles of Life Science  
 BIOL 30213 (NSC) Natural History

Choose 3 hours from:

ENSC 10143 (NSC) Principles of Environmental Sci  
 GEOL 10113 (NSC) Understanding the Earth  
 PHYS 20073 (NSC) Introductory Astronomy  
 NTDI 10003 (NSC/GA) Contmp Issues in Nutrition

#### **Fine Arts(FAR) - 3 hours required**

Choose 3 hours from:

ART 10043 (FAR) Introduction to Art History  
 ART 20073 (FAR) British Art: Medieval to Modern  
 ART 20113 (FAR) New Wrld:Survey of American Art  
 MUSI 10053 (FAR) Survey of Music  
 MUSI 10063 (FAR) World Music  
 MUSI 10073 (FAR) From Rock to Bach

### **ESSENTIAL COMPETENCIES**

#### **Mathematical Reasoning(MTH) - 3 hours required**

Choose 3 hours from:

MATH 10033 (MTH) Topics in Mathematics  
 MATH 10043 (MTH) Elementary Statistics  
 MATH 10283 (MTH) Applied Calculus  
 MATH 10524 (MTH) Calculus I  
 MATH 20524 (MTH) Calculus II

#### **Oral Communication(OCO) - 3 hours required**

Choose 3 hours from:

COMM 10123 (OCO) Basic Speech Communication  
 COMM 20103 (OCO) Business & Professional Speaking  
 COMM 20133 (OCO) Instructional Communication

#### **Written Communication(WCO) - 6 hours required**

ENGL 10803 (WCO) Introductory Composition  
 ENGL 20803 (WCO) Intermediate Composition

#### **WRITING EMPHASIS(WEM) - 6 hours required**

For EC-4 majors:  
EDEC 30223 and EDEC 41113 (imbedded in major)

For Middle and Secondary majors:  
EDMS/EDSE 30013 and EDMS/EDSE 50023  
(imbedded in education coursework)

## Majors and Certifications

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[Bachelor of Science in Education - Early Childhood](#)  
[Bachelor of Science in Education - Middle School](#)  
[Bachelor of Science in Education - Secondary School](#)  
[All-Level Teacher Certification](#)  
[Three-Two Option for TCU Students](#)  
[English as a Second Language Supplemental](#)

### Overview

The School of Education offers a Bachelor of Science degree in Education with majors in:

#### **Early Childhood Education (Grades PK-4)**

[Generalist EC-4 with ESL Option](#)  
[Generalist EC-4 with Special Education Option](#)  
[Bilingual Generalist EC-4 Option](#)

#### **Middle School Education (Grades 4-8)**

[Middle School English/Language Arts, Reading and ESL](#)  
[Middle School Math](#)  
[Middle School Math/Science](#)  
[Middle School Science](#)  
[Middle School Social Studies](#)

#### **Secondary Education (Grades 8-12)**

[Secondary School English/Language Arts, Reading and ESL](#)  
[Secondary School Life Science](#)  
[Secondary School Physical Science](#)  
[Secondary School Science](#)  
[Secondary School Social Studies](#)

After the successful completion of these studies, the candidate is eligible to apply for a Texas teaching certificate. The department also offers a sequence of professional development courses leading to all-level certification and secondary education certification.

In addition to the prescribed course work within the selected fields of study, students seeking teacher certification must (1) be admitted to the Teacher Educator Program (see admission guidelines); (2) maintain a 2.5 GPA; (3) complete prescribed field experiences in area schools; and (4) pass appropriate state certification exams.

All students are required to take the Professional Practice Seminar and receive a grade of 80% or higher on specified practice tests in order to be considered a program completer. A student who fails to achieve a score of 80% on the practice tests, throughout the course of the semester, will receive a NC (no credit) for the course. The student may be permitted to student teach and to graduate, but would not be bar-coded to take the TExES.

### **Bachelor of Science in Education - Early Childhood**

The Early Childhood major is designed for students who plan to teach in early childhood settings (EC through grade 4). Students focus on developmentally appropriate pedagogy for young children. Field-based course work provides prospective teachers with significant experiences in urban schools. Students interested in this major may select one of the following options:

**Generalist EC-4 with ESL Option:** This option is designed for students who will teach in diverse early childhood settings including English as a Second Language classrooms. Students must pass required state examinations in order to be awarded a Generalist EC-4 Teaching Certificate with English as a Second Language qualifications.

**Generalist EC-4 with Special Education Option:** This option is designed for students who will teach in special education settings at the EC-4 level. Students must pass state examinations in the Generalist EC-4 area as well as the Special Education Supplemental area.

**Bilingual Generalist EC-4 Option:** This option is designed for students who will teach in bilingual (Spanish) early childhood settings. Students wishing to pursue this degree option must demonstrate proficiency in Spanish as a condition for admission to the School of Education. The Department of Spanish and Latin American Studies conducts the Spanish language assessment. Students must pass required state examinations, including the Texas Oral Proficiency Test (TOPT), in order to be awarded a Bilingual Generalist EC-4 Teaching Certificate. Candidates who do not meet the passing criteria for the TOPT, but meet all other course work and certification requirements, will be eligible to apply for a Generalist EC-4 teaching certificate with English as a Second Language qualifications.

### Course Requirements

#### **MAJOR IN EARLY CHILDHOOD EDUCATION: GENERALIST EC-4 with ESL OPTION**

**TCU Core Curriculum: 39 hours**

**Major: 66 hours**

EDUC 30143 Child Development  
 EDEC 30103 Introduction to Early Childhood Education

JUNIOR I FALL BLOCK  
 EDUC 30123 Educational Psychology

## EDSP 30603 Study of Exceptional Children

Concurrent enrollment in:

EDEC 30014 Scientific and Mathematical Thinking through Play and Creativity: Science (4 hrs.)

EDEC 30023 Scientific and Mathematical Thinking through Play and Creativity: Math (3 hrs.)

EDEC 30033 Scientific and Mathematical Thinking through Play and Creativity: Play and Creativity (3 hrs.)

## JUNIOR II SPRING BLOCK

EDEC 30203 Mathematics in the Elementary School

EDEC 30234 Developmentally Appropriate Social Studies (4 hrs.)

Concurrent enrollment in:

EDEC 30213 Promoting Language and Literacy: Early Literacy/Literature (3 hrs.)

EDEC 30223 Promoting Language and Literacy: Elementary Language Arts/Literature (3 hrs.)

EDEC 30233 Promoting Language and Literacy: ESL (3 hrs.)

## SENIOR I FALL BLOCK

EDEC 30001 Professional Practice Seminar (1 hr.)

Concurrent enrollment in:

EDEC 41103 Learner-Centered Teaching: Assessment (3 hrs.)

EDEC 41113 Learner-Centered Teaching: Foundations (3 hrs.)

EDEC 41123 Learner-Centered Teaching: Families (3 hrs.)

EDEC 41143 Learner-Centered Teaching: Management (3 hrs.)

EDEC 41153 Learner-Centered Teaching: Practicum (3 hrs.)

## SENIOR II SPRING BLOCK

concurrent enrollment in:

EDEC 42213 Professional Induction: Curriculum for Diverse Learners (3 hrs.)

EDEC 42223 Professional Induction: ESL (3 hrs.)

EDEC 42236 Professional Induction: Internship (6 hrs.)

**Associated Requirements: 15 hours**

EDUC 20003 Critical Investigations: Teaching &amp; Learning

EDUC 30113 Introduction to Educational Technology

GEOG 10003 World Regional Geography

SPAN 10103 Spanish for Beginners

SPAN 10203 Spanish for Beginners 2

**Electives: 4 hours****Total Semester Hours: 124 hours****MAJOR IN EARLY CHILDHOOD EDUCATION: GENERALIST EC-4 with SPECIAL EDUCATION OPTION****TCU Core Curriculum: 39 hours****Major: 66 hours**

EDUC 30143 Child Development

EDEC 30103 Introduction to Early Childhood Education

## JUNIOR I FALL BLOCK

EDUC 30123 Educational Psychology

EDSP 30603 Study of Exceptional Children

Concurrent enrollment in:

EDEC 30014 Scientific and Mathematical Thinking through Play and Creativity: Science (4 hrs.)

EDEC 30023 Scientific and Mathematical Thinking through Play and Creativity: Math (3 hrs.)

EDEC 30033 Scientific and Mathematical Thinking through Play and Creativity: Play and Creativity (3 hrs.)

## JUNIOR II SPRING BLOCK

EDEC 30203 Mathematics in the Elementary School

EDEC 30234 Developmentally Appropriate Social Studies (4 hrs.)

Concurrent enrollment in:

EDEC 30213 Promoting Language and Literacy: Early Literacy/Literature (3 hrs.)

EDEC 30223 Promoting Language and Literacy: Elementary Language Arts/Literature (3 hrs.)

EDSP 30243 Promoting Academic Success in Special Education (3 hrs.)

## SENIOR I FALL BLOCK

EDEC 30001 Professional Practice Seminar (1 hr.)

Concurrent enrollment in:

EDEC 41103 Learner-Centered Teaching: Assessment (3 hrs.)

EDEC 41113 Learner-Centered Teaching: Foundations (3 hrs.)

EDSP 41123 Learner-Centered Teaching: Families (3 hrs.)

EDSP 41143 Learner-Centered Teaching: Management (3 hrs.)

EDEC 41153 Learner-Centered Teaching: Practicum (3 hrs.)

## SENIOR II SPRING BLOCK

concurrent enrollment in:

EDEC 42213 Professional Induction: Curriculum for Diverse Learners (3 hrs.)

EDSP 40243 Professional Induction: Application of Special Education Processes and Programs (3 hrs.)

EDEC 42236 Professional Induction: Internship (6 hrs.)

**Associated Requirements: 15 hours**

EDUC 20003 Critical Investigations: Education &amp; Learning

EDUC 30113 Introduction to Educational Technology

GEOG 10003 World Regional Geography  
 SPAN 10103 Spanish for Beginners  
 SPAN 10203 Spanish for Beginners 2

**Electives: 4 hours**

**Total Semester Hours: 124 hours**

**MAJOR IN EARLY CHILDHOOD: BILINGUAL GENERALIST EC-4 OPTION**

**TCU Core Curriculum: 39 hours**

**Major: 66 hours**

EDUC 30143 Child Development  
 EDEC 30103 Introduction to Early Childhood Education

**JUNIOR I FALL BLOCK**

EDUC 30123 Educational Psychology  
 EDSP 30603 Study of Exceptional Children  
 concurrent enrollment in:  
 EDEC 30014 Scientific and Mathematical Thinking through Play and Creativity: Science (4 hrs.)  
 EDEC 30023 Scientific and Mathematical Thinking through Play and Creativity: Math (3 hrs.)  
 EDEC 30033 Scientific and Mathematical Thinking through Play and Creativity: Play and Creativity (3 hrs.)

**JUNIOR II SPRING BLOCK**

EDEC 30203 Mathematics in the Elementary School (3 hrs.)  
 EDEC 30234 Developmentally Appropriate Pedagogy for Social Studies (4 hrs.)  
 concurrent enrollment in:  
 EDEC 30213 Promoting Language and Literacy: Early Literacy/Literature (3 hrs.)  
 EDEC 30223 Promoting Language and Literacy: Elementary Language Arts/Literature (3 hrs.)  
 EDEC 30233 Promoting Language and Literacy: ESL (3 hrs.)

**SENIOR I FALL BLOCK**

EDEC 30001 Professional Practice Seminar (1 hr.)  
 concurrent enrollment in:  
 EDEC 41103 Learner-Centered Teaching: Assessment (3 hrs.)  
 EDEC 41113 Learner-Centered Teaching: Foundations (3 hrs.)  
 EDEC 41123 Learner-Centered Teaching: Families (3 hrs.)

EDEC 41143 Learner-Centered Teaching: Management (3 hrs.)  
 EDEC 41153 Learner-Centered Teaching: Practicum (3 hrs.)

**SENIOR II SPRING BLOCK**

concurrent enrollment in:  
 EDEC 42213 Professional Induction: Curriculum for Diverse Learners (3 hrs.)  
 EDEC 42223 Professional Induction: ESL (3 hrs.)  
 EDEC 42236 Professional Induction: Internship (6 hrs.)

**Associated Requirements: 12 hours**

EDUC 20003 Critical Investigation: Teaching & Learning  
 EDUC 30113 Introduction to Educational Technology  
 GEOG 10003 World Regional Geography  
 EDUC 50213 Teaching in Bilingual/Crosscultural Schools

**Electives: 7 hours**

**Total Semester Hours: 124 hours**

**Bachelor of Science in Education - Middle School**

**Total Semester Hours Required for Degree: 124-128**

**TCU Core Curriculum: 39 hours**

**Middle School Pedagogy and Professional Responsibilities: 22 hours**

EDUC 30143 Child and Adolescent Development  
 EDUC 30123 Educational Psychology  
 EDSP 30603 Study of Exceptional Students  
 EDMS 30013 Professional Roles and Responsibilities  
 EDMS 50023 Effective Teaching and Classroom Implementation  
 EDMS 30001 Professional Practice Seminar\*  
 EDMS 40980 Student Teaching

\*This seminar must be taken the semester prior to student teaching.

**Associated Requirements: 12 hours**

EDUC 20003 Critical Investigations: Teaching & Learning  
 EDUC 30113 Introduction to Educational Technology  
 EDMS 40213 Promoting Literacy in the Content Areas  
 EDSP 50663 Motivating and Managing Students in the Classroom

**Majors:**

Students who are seeking middle school certification may select one of the following majors:

**MIDDLE SCHOOL ENGLISH/LANGUAGE ARTS, READING and ESL**

Choose 3 hours from:

ENGL 10103 Introduction to Fiction  
 ENGL 10113 Introduction to Poetry  
 ENGL 10123 Introduction to Drama  
 ENGL 30723 The Short Story

Choose 6 hours from:

ENGL 20503 Major American Writers  
 ENGL 30133 American Literature to 1900  
 ENGL 30143 American Literature since 1900  
 ENGL 20603 Western World Literature I

Choose 6 hours from:

ENGL 20403 Major British Writers  
 ENGL 30113 British Literature to 1800  
 ENGL 30123 British Literature since 1800  
 ENGL 20613 Western World Literature II

ENGL 30283 Cyberliteracy  
 or EDUC 50263 Cybercommunication in Education  
 ENGL 30263 Style and Usage  
 ENGL 30253 Rhetorical Traditions  
 or ENGL 30243 Rhetorical Practices in Culture  
 ENGL 50243 Teaching of Writing  
 or EDMS 50173 Development of Written Communication

JOUR 10103 Communication in Society

EDMS 50613 Analysis of Literacy Problems  
 EDMS 50153 Literature for Adolescents  
 EDMS 50223 Practicum in Reading and ESL  
 EDUC 50503 Developing Communication Competencies of Linguistically and Culturally Diverse Students  
 EDUC 50513 Curriculum and Instruction in the Second Language Learning Classroom  
 EDUC 50003 Diversity in American Education

**MIDDLE SCHOOL MATH**

MATH 10033 Topics in Mathematics  
 MATH 10043 Elementary Statistics  
 MATH 10052 Trigonometry  
 MATH 10053 Precalculus  
 MATH 10123 Discrete I  
 MATH 10524 Calculus I  
 MATH 20053 Fundamentals of Modern Mathematics  
 MATH 20063 Topics in Modern Mathematics  
 MATH 20524 Calculus II  
 MATH 40970 Geometry  
 MATH 50073 History of Mathematics

Select ONE from the following:

PHYS 10153 General Physics with  
 PHYS 10151 Physics Lab  
 or  
 PHYS 20053 Physics of Music and Sound

Associated Requirement:

EDMS 40433 Senior Seminar in Middle School Math

**MIDDLE SCHOOL MATH/SCIENCE**

BIOL 10003 Contemporary Issues in Biology  
 BIOL 30613 Natural History  
 BIOL 30403 Ecology

PHYS 20053 Physics of Music and Sound  
 PHYS 20073 Introductory Astronomy  
 PHYS 10151 General Physics I Lab  
 PHYS 10153 General Physics I

CHEM 10163 General Chemistry for Non-Majors

GEOL 10113 Understanding the Earth  
 GEOL 10143 Principles of Environmental Science  
 GEOL 30113 Weather and Climate



MATH 10524 Calculus I  
 MATH 10033 Topics in Mathematics  
 MATH 10043 Elementary Statistics  
 MATH 20053 Fundamentals of Modern Mathematics  
 MATH 20524 Calculus II  
 MATH 20063 Topics in Modern Mathematics  
 MATH 50303 Geometry-Topology  
 or MATH 40970 Undergraduate Higher Geometry

### **MIDDLE SCHOOL SCIENCE**

BIOL 10003 Contemporary Issues in Biology  
 BIOL 10504 Principles of Life Sciences  
 BIOL 10514 Principles of Life Sciences  
 BIOL 30613 Natural History

PHYS 20053 Physics of Music and Sound  
 PHYS 20073 Introductory Astronomy  
 PHYS 20083 Introductory Astronomy  
 PHYS 10151 General Physics I Lab  
 PHYS 10153 General Physics I

CHEM 10163 General Chemistry for Non-Majors

GEOL 10113 Understanding the Earth  
 GEOL 10143 Principles of Environmental Science  
 GEOL 30113 Weather and Climate

Select ONE course from the following:

MATH 10053 Precalculus  
 MATH 10524 Calculus I

Associated Requirement:

EDMS 40533 Senior Seminar in Middle School Science

### **MIDDLE SCHOOL SOCIAL STUDIES**

HIST 10603 United States History: A Survey to 1877  
 HIST 10613 United States History: A Survey since 1877  
 HIST 10003 History of Civilization: A Survey to 1500  
 HIST 10013 History of Civilization: A Survey 1500 to Present  
 HIST 10933 Latin American Civilization and Culture  
 HIST 10953 Asian Civilization since 1500  
 HIST 40743 History of Texas

POSC 10133 American and Texas Government  
 POSC 30503 Topics in Comparative Politics

ECON 10223 Introductory Microeconomics  
 ECON 10233 Introductory Macroeconomics  
 ECON 40970 United States Economic History to 1866  
 or ECON 40970 United States Economic History since 1866

GEOG 10003 World Regional Geography  
 GEOG 30513 United States Geography

SOCI 20213 Introductory Sociology  
 SOCI 30343 American Minority Groups  
 or EDUC 50003 Diversity in American Education

Associated Requirement:

EDMS 40633 Senior Seminar in Middle School Social Studies

### **Bachelor of Science in Education - Secondary School**

**Total Semester Hours Required for Degree: 124-128**

**TCU Core Curriculum: 39 hours**

**Secondary School Pedagogy and Professional Responsibilities: 22 hours**

EDUC 30143 Child and Adolescent Development  
 EDUC 30123 Educational Psychology  
 EDSP 30603 Study of Exceptional Students  
 EDSE 30013 Professional Roles and Responsibilities  
 EDSE 50023 Effective Teaching and Classroom Implementation  
 EDSE 30001 Professional Practice Seminar\*  
 EDSE 40980 Student Teaching

\*This seminar must be taken the semester prior to student teaching.

**Associated Requirements: 12 hours**

EDUC 20003 Critical Investigations:Teaching & Learning  
 EDUC 30113 Introduction to Educational Technology  
 EDSE 40213 Promoting Literacy in the Content Areas  
 EDSP 50663 Motivating and Managing Students in the Classroom

### **Majors:**

Students who are seeking certification in secondary school education may select one of the following majors:

#### **SECONDARY SCHOOL ENGLISH/LANGUAGE ARTS, READING and ESL**

Choose 3 hours from:

ENGL 10103 Introduction to Fiction  
 ENGL 10113 Introduction to Poetry  
 ENGL 10123 Introduction to Drama  
 ENGL 30723 The Short Story

Choose 6 hours from:

ENGL 20503 Major American Writers  
 ENGL 30133 American Literature to 1900  
 ENGL 30143 American Literature since 1900  
 ENGL 20603 Western World Literature I

Choose 6 hours from:

ENGL 20403 Major British Writers  
 ENGL 30113 British Literature to 1800  
 ENGL 30123 British Literature since 1800  
 ENGL 20613 Western World Literature II

Choose 6 hours from

ENGL 30223 Technical Writing and Document Design  
 ENGL 30233 The Essay  
 ENGL 30273 Argument and Persuasion  
 ENGL 40243 Professional Writing and Editing

ENGL 30103 Introduction to Literary Theory  
 ENGL 30283 Cyberliteracy  
 or EDUC 50263 Cybercommunication in Education  
 ENGL 30263 Style and Usage  
 ENGL 30253 Rhetorical Traditions  
 or ENGL 30243 Rhetorical Practices in Culture  
 ENGL 50243 Teaching Writing  
 or EDSE 50173 Development of Written Communication

JOUR 10103 Communication in Society

EDSE 50613 Analysis of Literacy Problems  
 EDSE 50153 Literature for Adolescents  
 EDSE 50223 Practicum in Reading and ESL  
 EDUC 50503 Developing Communication Competencies of Linguistically and Culturally Diverse Students  
 EDUC 50513 Curriculum and Instruction in the Second Language Learning Classroom  
 EDUC 50003 Diversity in American Education

#### **SECONDARY SCHOOL LIFE SCIENCE**

BIOL 10003 Contemporary Issues in Biology  
 BIOL 10504 Principles of Life Sciences  
 BIOL 10514 Principles of Life Sciences  
 BIOL 30403 Ecology  
 BIOL 30603 Cellular, Molecular, and Developmental Biology  
 BIOL 30303 Microbiology  
 BIOL 30504 Plant Biology  
 BIOL 30613 Natural History

Select TWO courses from the following:

BIOL 30104 Comparative Invertebrate Zoology  
 BIOL 30124 Biology of the Vertebrates  
 BIOL 30404 Comparative Vertebrate Anatomy  
 BIOL 30323 Marine Science  
 BIOL 30233 Economic Botany

MATH 10283 Applied Calculus  
 or MATH 20524 Calculus II

CHEM 10113-10123 General Chemistry and CHEM 10122 General Chemistry lab  
 or CHEM 10114-10124 General Chemistry Honors

Associated Requirement:

EDSE 40533 Senior Seminar in Secondary Science

#### **SECONDARY SCHOOL PHYSICAL SCIENCE**

GEOL 10113 Understanding the Earth  
 GEOL 10143 Principles of Environmental Science

GEOL 30133 Historical Geology I

CHEM 10113-10123 General Chemistry and CHEM 10122 General Chemistry Laboratory  
or CHEM 10114-10124 General Chemistry Honors

PHYS 10151-10153, 10161-10163 General PhysI and II  
or PHYS 20471-20473 Physics I Mechanical with Lab  
Physics 20053 Physics of Music and Sound  
PHYS 20073-20083 Introductory Astronomy  
PHYS 30113 Intermediate Astronomy  
PHYS 30014 Materials Science  
PHYS 30111 Experimental Astronomy

MATH 10283 Applied Calculus  
or MATH 10524 Calculus I

Associated Requirement:  
EDSE 40533 Senior Seminar in Secondary Science

### **SECONDARY SCHOOL SCIENCE**

BIOL 10003 Contemporary Issues in Biology  
BIOL 10504 Principles of Life Sciences  
BIOL 10514 Principles of Life Sciences  
BIOL 30403 Ecology  
BIOL 30603 Cellular, Molecular, and Developmental Biology

PHYS 10151-10153 General Physics I  
PHYS 10161-10163 General Physics II  
PHYS 20073-20083 Introductory Astronomy

CHEM 10113-10123 General Chemistry and CHEM 10122 General Chemistry Laboratory  
or CHEM 10114-10124 General Chemistry Honors  
CHEM 30122-30123 Organic Chemistry

GEOL 10113 Understanding the Earth  
GEOL 10143 Principles of Environmental Science  
GEOL 30113 Weather and Climate

MATH 10283 Applied Calculus  
or MATH 10524 Calculus I

Associated Requirement:  
EDSE 40533 Senior Seminar in Secondary Science

### **SECONDARY SCHOOL SOCIAL STUDIES**

HIST 10603 United States History: A Survey to 1877  
HIST 10613 United States History: A Survey since 1877  
HIST 10003 History of Civilization: A Survey to 1500  
HIST 10013 History of Civilization: A Survey from 1500 to present  
HIST 10933 Latin American Civilization and Culture  
HIST 10953 Asian Civilization since 1500  
HIST 40743 History of Texas

POSC 10133 American and Texas Government  
POSC 20203 Introduction to Political Theory  
POSC 30103 Topics in American Politics  
POSC 30503 Topics in Comparative Politics

ECON 10223 Introductory Microeconomics  
ECON 10233 Introductory Macroeconomics  
ECON 40970 United States Economic History to 1866  
or ECON 40970 United States Economic History since 1866

GEOG 10003 World Regional Geography  
GEOG 30513 United States Geography

SOCI 20213 Introductory Sociology  
SOCI 30343 American Minority Groups  
or EDUC 50003 Diversity in American Education

Select ONE upper division course from Economics, History, or Political Science.

Associated Requirement:  
EDSE 40633 Senior Seminar in Secondary Social Studies

### **MINOR IN EDUCATIONAL STUDIES**

Students who major in a content area outside the School of Education may obtain a minor in Educational Studies by completing 18 hours of the required professional development courses if approved by the college in the content major.

The professional development courses that constitute the 18-hour minor include:

EDUC 30143 Child and Adolescent Development  
 EDUC 30123 Educational Psychology  
 EDSP 30603 Study of Exceptional Students  
 EDSE 30013 Professional Roles and Responsibilities  
 EDSE 40213 Promoting Literacy in the Content Areas  
 EDSE 50023 Effective Teaching and Classroom Implementation

Completion of the minor in Educational Studies is not adequate to meet the requirements for teaching certification. Student teaching and the professional practice seminar are also required for teacher certification. The professional practice seminar must be taken the semester prior to student teaching.

Students should contact the certification officer in the School of Education for admission to the Teacher Education Program of the university.

### **All-Level Teacher Certification**

All-Level certification enables students to teach in grades EC-12. Majors include Art, Music, Physical Education and Habilitation of the Deaf. All-Level certification students follow the same sequence of education courses as secondary certification students with the exception of student teaching. All-Level certification students student teach in both the elementary and secondary schools. The student should contact the certification officer in the School of Education to be admitted to the Teacher Education Program of the university.

The professional development courses that must be taken in education are as follows:

EDUC 30143 Child and Adolescent Development  
 EDUC 30123 Educational Psychology  
 EDSP 30603 Study of Exceptional Students  
 EDSE 30013 Professional Roles and Responsibilities  
 EDSE 40213 Promoting Literacy in the Content Areas  
 EDSE 50023 Effective Teaching and Classroom Implementation  
 EDSE 30001 Professional Practice Seminar\*  
 EDUC 40966 All-Level Student Teaching

\*This seminar must be taken the semester prior to student teaching.

### **Three-Two Option for TCU Students**

Available only to TCU undergraduates, the Three-Two Option allows outstanding students to combine a bachelor's degree with the Master of Education (M.Ed.) in only five years.

Students are eligible to apply for admission to the Graduate Program in the School of Education during the semester they complete 90 hours of undergraduate coursework. To be considered for admission to the Three-Two Option students must submit a Graduate Program Application for Admission form. Only Three-Two Option candidates demonstrating superior undergraduate academic performance and strong recommendation will be considered for admission.

If admitted to the Three-Two Option, the student may complete up to 12 semester hours of the M.Ed. program during the fourth year of undergraduate study. Candidates should work with their undergraduate advisor to determine how the courses will apply to the undergraduate degree. At the end of the fourth year, assuming that all other graduation requirements are met, the student earns his or her Baccalaureate degree. During their fifth year, the student completes the remaining semester hours toward the M.Ed. degree.

### **English as a Second Language Supplemental**

English as Second Language (ESL) is designed for students who intend to teach learners for whom English is a second language. The ESL supplemental certificate may be added to a valid Texas teacher certificate, special education certificate, or a vocational education certificate.

The coursework consists of 12 semester hours:

EDUC 50503 Developing Communication Competencies of Linguistically and Culturally Diverse Students  
 EDUC 50513 Curriculum and Instruction in the Second Language Learning Classroom  
 EDMS/SE 50223 Practicum in Reading and ESL  
 EDUC 50003 Diversity in American Education

In addition to the above course work, students are required to complete a student teaching experience in an approved ESL classroom. One year of successful classroom teaching experience in an approved ESL or bilingual education program may be substituted for student teaching.

## Non-major Certifications

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[Certification for students in majors outside of the School of Education](#)  
[Areas of Specialization for All Level Certification](#)

### **Certification for students in majors outside of the School of Education**

Secondary school majors who plan to become certified in one of the following areas must major in their chosen content area outside the School of Education, meeting the requirements for graduation in the chosen major. In addition, they are required to complete a minor in Educational Studies. Completion of the minor in Educational Studies is not adequate to meet the requirements for teaching certification. Student teaching and the professional practice seminar are also required for teacher certification. The student should contact the certification officer in the School of Education to be admitted to the Teacher Education Program of the university.

#### **Art (Secondary)**

For details concerning the required coursework in this major, refer to the current catalog.

#### **Business Administration (Secondary)**

For details concerning the required coursework in this major, refer to the current catalog.

#### **Computer Science (Secondary)**

For details concerning the required coursework in this major, refer to the current catalog.

#### **Health (Secondary)**

For details concerning the required coursework in this major, refer to the current catalog.

#### **History (Secondary)**

For details concerning the required coursework in this major, refer to the current catalog.

#### **Journalism (Secondary)**

For details concerning the required coursework in this major, refer to the current catalog.

#### **Mathematics (Secondary)**

For details concerning the required coursework in this major, refer to the current catalog.

#### **Spanish (Secondary)**

For details concerning the required coursework in this major, refer to the current catalog.

#### **Speech Communications (Secondary)**

For details concerning the required coursework in this major, refer to the current catalog.

#### **Theatre (Secondary)**

For details concerning the required coursework in this major, refer to the current catalog.

#### **Dance (Secondary)**

For details concerning the required coursework in this major, refer to the current catalog.

#### **Music (Secondary): Students select either Choral or Instrumental concentration**

For details concerning the required coursework in this major, refer to the current catalog.

### **Areas of Specialization for All Level Certification**

All-Level certification is designed for students who wish to teach either in an elementary or secondary school setting or both. Students are certified to teach at all levels in one of these chosen subjects: art, music, physical education, or hearing impaired. All-Level students must major in the chosen content area outside the School of Education, meeting the requirements for graduation in the chosen major and the requirements for teacher certification in the School of Education. The student should contact the certification officer in the School of Education to be admitted to the Teacher Education Program of the university.

#### **Art**

For details concerning the required coursework in this major, refer to the current catalog.

#### **Music: Students select either Choral or Instrumental concentration**

For details concerning the required coursework in this major, refer to the current catalog.

**Physical Education**

For details concerning the required coursework in this major, refer to the current catalog.

**Hearing Impaired**

For details concerning the required coursework in this major, refer to the current catalog.

## Courses of Instruction

### [Courses of Instruction](#)

#### Courses of Instruction

**EDEC 30001 Professional Practice Seminar.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Issues in professional and legal responsibilities, certification standards, teacher portfolio development, finding employment, and professional associations are topics that will be considered. Two semesters of EDEC 30001 are required for Early Children Education majors. This course is available only for Pass/Fail grades. (Offered as EDEC or EDMS or EDSE credit.)

**EDEC 30014 Scientific and Mathematical Thinking through Play and Creativity: Science.** Prerequisites: Admission to the Teacher Education Program or written permission of the dean, School of Education. Concurrent enrollment in EDEC 30014, EDEC 30023, EDEC 30033. This block is designed to prepare students for the challenges of teaching in a child-centered environment that supports creative development and scientific and mathematical learning through play. Students will meet at an elementary school where they will observe and teach in classrooms at different grade levels, as well as participate in class lectures and activities. Block components: EDEC 30014 Scientific and Mathematical Thinking through Play and Creativity: Science (4 hrs) EDEC 30023 Scientific and Mathematical Thinking through Play and Creativity: Math (3 hrs) EDEC 30033 Scientific and Mathematical Thinking through Play and Creativity: Play and Creativity (3 hrs).

**EDEC 30023 Science and Mathematical Thinking through Play and Creativity: Math.** Prerequisites: Admission to the Teacher Education Program or written permission of the dean, School of Education. Concurrent enrollment in EDEC 30014, EDEC 30023, EDEC 30033. This block is designed to prepare students for the challenges of teaching in a child-centered environment that supports creative development and scientific and mathematical learning through play. Students will meet at an elementary school where they will observe and teach in classrooms at different grade levels, as well as participate in class lectures and activities. Block components: EDEC 30014 Scientific and Mathematical Thinking through Play and Creativity: Science (4 hrs) EDEC 30023 Scientific and Mathematical Thinking through Play and Creativity: Math (3 hrs) EDEC 30033 Scientific and Mathematical Thinking through Play and Creativity: Play and Creativity (3 hrs).

**EDEC 30033 Science and Mathematical Thinking through Play and Creativity :Play and Creativity.** Prerequisites: Admission to the Teacher Education Program or written permission of the dean, School of Education. Concurrent enrollment in EDEC 30014, EDEC 30023, EDEC 30033. This block is designed to prepare students for the challenges of teaching in a child-centered environment that supports creative development and scientific and mathematical learning through play. Students will meet at an elementary school where they will observe and teach in classrooms at different grade levels, as well as participate in class lectures and activities. Block components: EDEC 30014 Scientific and Mathematical Thinking through Play and Creativity: Science (4 hrs) EDEC 30023 Scientific and Mathematical Thinking through Play and Creativity: Math (3 hrs) EDEC 30033 Scientific and Mathematical Thinking through Play and Creativity: Play and Creativity (3 hrs).

**EDEC 30103 Introduction to Early Childhood Education.** Prerequisite for all 40000 and 50000 courses in Education of Young Children. Directed toward affecting prospective early childhood teachers' insights with regard to classroom behavior in teaching; dealing with the factors of child learning; and examining children's development. Classroom practicum is required.

**EDEC 30203 Mathematics in the Elementary School.** Prerequisites: Admission to Teacher Education or written permission of the Dean, School of Education. Methods of teaching mathematical concepts, skills, and problem-solving techniques appropriate for the elementary school.

**EDEC 30213 Promoting Language and Literacy: Early Literacy.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 30213, EDEC 30223, EDEC 30233. Block focuses on the study of the nature of literacy and second language learning processes and the relationship among these processes, young children, teachers, curriculum, and instruction. Emphasis is given to the guidance of young children as they progress through the continuum of language and literacy abilities from preschool through grade four. Block components: EDEC 30213 Promoting Language and Literacy: Early Literacy, EDEC 30223 Promoting Language and Literacy: Elementary, EDEC 30233 Promoting Language and Literacy: ESL.

**EDEC 30223 Promoting Language and Literacy: Elementary.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 30213, EDEC 30223, EDEC 30233. Block focuses on the study of the nature of literacy and second language learning processes and the relationship among these processes, young children, teachers, curriculum, and instruction. Emphasis is given to the guidance of young children as they progress through the continuum of language and literacy abilities from preschool through grade four. Block components: EDEC 30213 Promoting Language and Literacy: Early Literacy, EDEC 30223 Promoting Language and Literacy: Elementary, EDEC 30233 Promoting Language and Literacy: ESL.

**EDEC 30233 Promoting Language and Literacy: ESL.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 30213, EDEC 30223, EDEC 30233. Block focuses on the study of the nature of literacy and second language learning processes and the relationship among these processes, young children, teachers, curriculum, and instruction. Emphasis is given to the guidance of young children as they progress through the continuum of language and literacy abilities from preschool through grade four. Block components: EDEC 30213 Promoting Language and Literacy: Early Literacy, EDEC 30223 Promoting Language and Literacy: Elementary, EDEC 30233 Promoting Language and Literacy: ESL.

**EDEC 30234 Developmentally Appropriate Social Studies.** Prerequisite: Admission to Teacher Education or written permission of the Dean, School of Education. Examines the rationale for the inclusion of the social studies within the early elementary curriculum, and reviews selected fundamental concepts and methods of inquiry associated with the social sciences. Emphasis will also be placed on the development of curricular materials.

**EDEC 41103 Learner-Centered Teaching: Assessment.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 41103, EDEC 41113, EDEC 41123, EDEC 41143, EDEC 41153. This block melds content instruction and a semester-long practicum. In addition, to be working in classrooms or in other ways with students, under the supervision of teachers and SOE faculty, SOE faculty will cover content regarding: classroom management, assessment, parent and family relationships and issues, and professional roles and responsibilities. Block components are: EDEC 41103 Learner-Centered Teaching: Foundations (3 hrs), EDEC 41113 Learner-Centered Teaching: Families (3 hrs), EDEC 41123 Learner-Centered Teaching: Assessment (3 hrs), EDEC 41143 Learner-Centered Teaching: Management (3 hrs), EDEC 41153 Learner-Centered Teaching: Practicum (3 hrs).

**EDEC 41113 Learner-Centered Teaching: Foundations.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 41103, EDEC 41113, EDEC 41123, EDEC 41143, EDEC 41153. This block melds content instruction and a semester-long practicum. In addition, to be working in classrooms or in other ways with students, under the supervision of teachers and SOE faculty, SOE faculty will cover content regarding: classroom management, assessment, parent and family relationships and issues, and professional roles and responsibilities. Block components are: EDEC 41103 Learner-Centered Teaching: Foundations (3 hrs), EDEC 41113 Learner-Centered Teaching: Families (3 hrs), EDEC 41123 Learner-Centered Teaching: Assessment (3 hrs), EDEC 41143 Learner-Centered Teaching: Management (3 hrs), EDEC 41153 Learner-Centered Teaching: Practicum (3 hrs).

**EDEC 41123 Learner-Centered Teaching: Families.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 41103, EDEC 41113, EDEC 41123, EDEC 41143, EDEC 41153. This block melds content instruction and a semester-long practicum. In addition, to be working in classrooms or in other ways with students, under the supervision of teachers and SOE faculty, SOE faculty will cover content regarding: classroom management, assessment, parent and family relationships and issues, and professional roles and responsibilities. Block components are: EDEC 41103 Learner-Centered Teaching: Foundations (3 hrs), EDEC 41113 Learner-Centered Teaching: Families (3 hrs), EDEC 41123 Learner-Centered Teaching: Assessment (3 hrs), EDEC 41143 Learner-Centered Teaching: Management (3 hrs), EDEC 41153 Learner-Centered Teaching: Practicum (3 hrs).

**EDEC 41143 Learner-Centered Teaching: Management.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 41103, EDEC 41113, EDEC 41123, EDEC 41143, EDEC 41153. This block melds content instruction and a semester-long practicum. In addition, to be working in classrooms or in other ways with students, under the supervision of teachers and SOE faculty, SOE faculty will cover content regarding: classroom management, assessment, parent and family relationships and issues, and professional roles and responsibilities. Block components are: EDEC 41103 Learner-Centered Teaching: Foundations (3 hrs), EDEC 41113 Learner-Centered Teaching: Families (3 hrs), EDEC 41123 Learner-Centered Teaching: Assessment (3 hrs), EDEC 41143 Learner-Centered Teaching: Management (3 hrs), EDEC 41153 Learner-Centered Teaching: Practicum (3 hrs).

**EDEC 41153 Learner-Centered Teaching: Practicum.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 41103, EDEC 41113, EDEC 41123, EDEC 41143, EDEC 41153. This block melds content instruction and a semester-long practicum. In addition, to be working in classrooms or in other ways with students, under the supervision of teachers and SOE faculty, SOE faculty will cover content regarding: classroom management, assessment, parent and family relationships and issues, and professional roles and responsibilities. Block components are: EDEC 41103 Learner-Centered Teaching: Foundations (3 hrs), EDEC 41113 Learner-Centered Teaching: Families (3 hrs), EDEC 41123 Learner-Centered Teaching: Assessment (3 hrs), EDEC 41143 Learner-Centered Teaching: Management (3 hrs), EDEC 41153 Learner-Centered Teaching: Practicum (3 hrs).

**EDEC 42213 Professional Induction: Curriculum for Diverse Learners.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 42213, EDEC 42223, EDEC 42236 or EDSP 40243. During this semester, students will fulfill the State's requirements for student teaching. In addition, they will receive instruction in developing and implementing curricula that meet the developmental, cultural and linguistic needs of all learners. Block components for ESL/Bilingual options: EDEC 42213 Professional Induction: Early Childhood Curriculum for Diverse Learners (3 hrs), EDEC 42223 Professional Induction: ESL Curriculum (3 hrs), EDEC 42236 Professional Induction: Internship (6 hrs). Block components for Special Education option: EDEC 42213 Professional Induction: Early Childhood Curriculum for Diverse Learners (3 hrs), EDSP 40243 Professional Induction: Application of Special Education Processes and Programs (3 hrs), EDEC 42236 Professional Induction: Internship (6 hrs).

**EDEC 42223 Professional Induction: ESL.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 42213, EDEC 42223, EDEC 42233, EDEC 42236. During this semester, students will fulfill the State's requirements for student teaching. In addition, they will receive instruction in developing and implementing curricula that meet the developmental, cultural and linguistic needs of all learners. Block components: EDEC 42213 Professional Induction: Early Childhood Curriculum (3 hrs), EDEC 42223 Professional Induction: ESL Curriculum (3 hrs), EDEC 42233 Professional Induction: Diverse Learners (3 hrs), EDEC 42236 Professional Induction: Internship (6 hrs).

**EDEC 42236 Professional Induction: Internship.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 42213, EDEC 42223, EDEC 42233, EDEC 42236. During this semester, students will fulfill the State's requirements for student teaching. In addition, they will receive instruction in developing and implementing curricula that meet the developmental, cultural and linguistic needs of all learners. Block components: EDEC 42213 Professional Induction: Early Childhood Curriculum (3 hrs), EDEC 42223 Professional Induction: ESL Curriculum (3 hrs), EDEC 42233 Professional Induction: Diverse Learners (3 hrs), EDEC 42236 Professional Induction: Internship (6 hrs).

**EDEC 50143 Early Childhood Curriculum.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. The study of basic principles underlying curriculum construction and instructional practices in early childhood and primary education.

**EDMS 30001 Professional Practice Seminar.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Issues in professional and legal responsibilities, certification standards, teacher portfolio development, finding employment, and professional associations are topics that will be considered. Two semesters of EDEC 30001 are required for Early Children Education majors. This course is available



only for Pass/Fail grades. (Offered as EDEC or EDMS or EDSE credit.)

**EDMS 30013 Professional Roles and Responsibilities.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. The focus of this course will be on philosophical and historical foundations of (U.S.) education with an emphasis on the moral and ethical responsibilities of the school educator. The evolution of assessment and the call (and need) for literacy, from the educator role and responsibility perspective, will also be examined. (Offered as EDMS or EDSE credit.)

**EDMS 40213 Promoting Literacy in the Content Areas.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. A course designed to acquaint the preservice teachers with strategies which facilitate middle and secondary students' use of reading and writing to learn from information texts. A component of this course is a field-based practicum. (Offered as EDMS or EDSE credit.)

**EDMS 40433 Senior Seminar in Middle/Secondary Education: Mathematics.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Trends and problems in middle school and secondary math education. Seminar discussion, individual and group report preparation to bring into focus the student's entire college experience in the light of higher chosen vocation. (Offered as EDMS or EDSE credit.)

**EDMS 40533 Senior Seminar in Middle/Secondary School Education: Science.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Trends and problems in middle school and secondary science education. Seminar discussion, individual and group report preparation to bring into focus the student's entire college experience in the light of higher chosen vocation. (Offered as EDMS or EDSE credit.)

**EDMS 40633 Senior Seminar in Middle School Education: Social Studies.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Trends and problems in middle school and secondary social studies education. Seminar discussion, individual and group report preparation to bring into focus the student's entire college experience in the light of higher chosen vocation. (Offered as EDMS or EDSE credit.)

**EDMS 40980 Student Teaching in the Secondary School.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. All day observation and supervised teaching for a semester long period of time in the public schools. Accompanying weekly seminars for the purpose of developing competencies and professional growth will be required. (3-6 semester hours). (Offered as EDMS or EDSE credit.)

**EDMS 50023 Effective Teaching and Classroom Implementation.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. As a part of the effective teacher model, this course will focus on instructional design and implementation, motivation of students to promote and enhance learning in the classroom; management issues pertinent to student behavior and learning outcomes; and preparation of a variety of formal and informal assessment strategies. (Offered as EDMS or EDSE credit.)

**EDMS 50153 Literature for Adolescents.** Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Survey of reading interests of secondary school youth. Wide reading of classical and contemporary books for adolescents in the several teaching fields with specific attention to principles of selection and use in the middle school and high school.

**EDMS 50173 Development of Written Communication.** This course is a study of the developmental process of written communication as it relates to literacy development in upper elementary, middle school and high school students. This course will present methods of increasing students' written communication skills.

**EDMS 50223 Practicum in Reading and ESL.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDUC 50503, Developing Communication Competencies of Linguistically and Culturally Diverse Students. The reading practicum provides an opportunity to prepare lessons and teach in a sheltered ESL classroom under the supervision of a cooperating teacher and TCU faculty.

**EDMS 50613 Analysis of Literacy Problems.** Prerequisites: EDUC 60053, 60153, or 50313 and Admission to the Teacher Education Program or written permission of the Dean, School of Education. Theory and techniques for using a variety of assessment strategies related to literacy development. Discussion and practice will be based on the interpretation of elementary and secondary students' performance on a variety of literacy tasks.

**EDRE 40213 Promoting Literacy in the Content Subjects.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. A course designed to acquaint preservice teachers with strategies which facilitate elementary and secondary students' use of reading and writing to learn from information texts. A component of this course is a field-based practicum.

**EDSE 30001 Professional Practice Seminar.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Issues in professional and legal responsibilities, certification standards, teacher portfolio development, finding employment, and professional associations are topics that will be considered. Two semesters of EDEC 30001 are required for Early Children Education majors. This course is available only for Pass/Fail grades. (Offered as EDEC or EDMS or EDSE credit.)

**EDSE 30013 Professional Roles and Responsibilities.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. The focus of this course will be on philosophical and historical foundations of (U.S.) education with an emphasis on the moral and ethical responsibilities of the school educator. The evolution of assessment and the call (and need) for literacy, from the educator role and responsibility perspective, will also be examined. (Offered as EDMS or EDSE credit.)

**EDSE 40123 Senior Seminar in Secondary Education.** Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, School of Education and permission of instructor. Trends and problems in secondary education. Seminar discussion, individual and group report preparation to bring into focus the student's entire college experience in the light of higher chosen vocation.

**EDSE 40213 Promoting Literacy in the Content Areas.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. A course designed to acquaint the preservice teachers with strategies which facilitate middle and secondary students' use of reading and writing to learn from

information texts. A component of this course is a field-based practicum. (Offered as EDMS or EDSE credit.)

**EDSE 40433 Senior Seminar in Middle/Secondary Education: Mathematics.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Trends and problems in middle school and secondary math education. Seminar discussion, individual and group report preparation to bring into focus the student's entire college experience in the light of higher chosen vocation. (Offered as EDMS or EDSE credit.)

**EDSE 40533 Senior Seminar in Middle/Secondary School Education: Science.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Trends and problems in middle school and secondary science education. Seminar discussion, individual and group report preparation to bring into focus the student's entire college experience in the light of higher chosen vocation. (Offered as EDMS or EDSE credit.)

**EDSE 40633 Senior Seminar in Middle School Education: Social Studies.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Trends and problems in middle school and secondary social studies education. Seminar discussion, individual and group report preparation to bring into focus the student's entire college experience in the light of higher chosen vocation. (Offered as EDMS or EDSE credit.)

**EDSE 40980 Student Teaching in the Secondary School.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. All day observation and supervised teaching for a semester long period of time in the public schools. Accompanying weekly seminars for the purpose of developing competencies and professional growth will be required. (3-6 semester hours). (Offered as EDMS or EDSE credit.)

**EDSE 50023 Effective Teaching and Classroom Implementation.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. As a part of the effective teacher model, this course will focus on instructional design and implementation, motivation of students to promote and enhance learning in the classroom; management issues pertinent to student behavior and learning outcomes; and preparation of a variety of formal and informal assessment strategies. (Offered as EDMS or EDSE credit.)

**EDSE 50153 Literature for Adolescents.** Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Survey of reading interests of secondary school youth. Wide reading of classical and contemporary books for adolescents in the several teaching fields with specific attention to principles of selection and use in the middle school and high school.

**EDSE 50173 Development of Written Communication.** This course is a study of the developmental process of written communication as it relates to literacy development in upper elementary, middle school and high school students. This course will present methods of increasing students' written communication skills.

**EDSE 50213 Teaching in Bilingual Classrooms.** Methods and strategies in teaching the bilingual child; including English as a second language and Spanish as a first language. Observation and participation in bilingual classes required.

**EDSE 50223 Practicum in Reading and ESL.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDUC 50503, Developing Communication Competencies of Linguistically and Culturally Diverse Students. The reading practicum provides an opportunity to prepare lessons and teach in a sheltered ESL classroom under the supervision of a cooperating teacher and TCU faculty.

**EDSE 50613 Analysis of Literacy Problems.** Prerequisites: EDUC 60053, 60153, or 50313 and Admission to the Teacher Education Program or written permission of the Dean, School of Education. Theory and techniques for using a variety of assessment strategies related to literacy development. Discussion and practice will be based on the interpretation of elementary and secondary students' performance on a variety of literacy tasks.

**EDSP 30243 Academic Success in Special Education.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Students enrolled in EC-4/Special Education Program must be concurrently enrolled in EDEC 30213 and EDEC 30223. This course focuses on procedures and processes for assessing and teaching basic academic skills including oral language, reading, written language and math skills to students with disabilities. Individual education program planning and monitoring also will be addressed.

**EDSP 30603 Study of Exceptional Students.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. A survey of programs for school-aged students with mental, physical and emotional deviations.

**EDSP 40243 Professional Induction: Application of Special Education Processes and Programs.** Prerequisite: EDSP 30603 and Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 42213, EDSP 42233, EDEC 42236, and EDSP 40243. Programs, strategies and techniques for teaching special populations will be examined, implemented and evaluated. Appropriate standardized and informal tests will be administered. Block components for Special Education option: EDEC 42213 Professional Induction: Early Childhood Curriculum (3 hrs), EDSP 42233 Professional Induction: Diverse Learners (3 hrs), EDEC 42236 Professional Induction: Internship (6 hrs), and EDSP 40243 Professional Induction: Application of Special Education Processes and Programs.

**EDSP 40663 Classroom Management.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. An examination of behavior problems of handicapped students with emphasis on developing alternative strategies for dealing with behavior problems.

**EDSP 41123 Learner-Centered Teaching: Families.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 41103, EDEC 41113, EDEC 41123, EDEC 41143, EDEC 41153. This block melds content instruction and a semester-long practicum. In addition, to be working in classrooms or in other ways with students, under the supervision of teachers and SOE faculty, SOE faculty will cover content regarding: classroom management, assessment, parent and family relationships and issues, and professional roles and responsibilities. Block components are: EDEC 41103 Learner-Centered Teaching: Foundations (3 hrs), EDEC 41113 Learner-Centered Teaching: Families (3 hrs), EDEC 41123 Learner-Centered Teaching: Assessment (3 hrs), EDEC 41143 Learner-Centered Teaching: Management (3 hrs),

EDEC 41153 Learner-Centered Teaching: Practicum (3 hrs).

**EDSP 41143 Learner-Centered Teaching: Management.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Concurrent enrollment in EDEC 41103, EDEC 41113, EDEC 41123, EDEC 41143, EDEC 41153. This block melds content instruction and a semester-long practicum. In addition, to be working in classrooms or in other ways with students, under the supervision of teachers and SOE faculty, SOE faculty will cover content regarding: classroom management, assessment, parent and family relationships and issues, and professional roles and responsibilities. Block components are: EDEC 41103 Learner-Centered Teaching: Foundations (3 hrs), EDEC 41113 Learner-Centered Teaching: Families (3 hrs), EDEC 41123 Learner-Centered Teaching: Assessment (3 hrs), EDEC 41143 Learner-Centered Teaching: Management (3 hrs), EDEC 41153 Learner-Centered Teaching: Practicum (3 hrs).

**EDSP 50013 Methods for Educating Students in Inclusive Settings.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. How to adapt methods, techniques and classroom environments to help children with disabilities to be more successful in regular and special education classrooms.

**EDSP 50663 Motivating and Managing Students in the Classroom.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Research-based methods for creating positive classroom and school climates, organizing and managing classrooms, improving instruction, dealing with classroom discipline problems, and developing prosocial behaviors in children and youth.

**EDUC 10113 College Reading Techniques.** Prerequisites: 1. Incoming freshmen who score lower than 500 on the SAT Verbal (17 on ACT English) and whose high school GPA is less than 2.5 will be permitted to enroll. 2. Entering transfer students will be permitted to enroll only by permission of the instructor. 3. Students with fewer than 36 hours of TCU course work will be permitted to enroll only if they have posted an overall TCU grade point (GPA) below 2.25 the previous semester. 4. Students with 36 hours or more of TCU course work will be permitted to enroll only by permission of the instructor. 5. All other students who do not meet the above criteria and wish to be admitted to the course may do so only with the permission of the chair of the Curriculum and Instruction Department. A course designed to improve the reading and study skills of freshmen and sophomores with a GPA below 2.25. May not be counted for teaching certificate.

**EDUC 10433 Freshman Seminar in Education.** An exploration of a variety of research perspectives through the eyes of university scholars. Faculty from various departments across campus will talk about their work. Students will visit the research sites and get firsthand experience of how each kind of research is conducted.

**EDUC 10443 Freshman Seminar: TCU: Our History, Our Heritage.** Freshman Seminar in Education

**EDUC 10533 Freshman Seminar in Education.** Topics may vary each time it is offered.

**EDUC 20003 Critical Investigation: Teaching and Learning.** This course will provide a careful and systematic exploration of teaching in public schools and a better understanding of the variety of student learning demands that teachers face. Moreover, class members will be expected to assess the quality and appropriateness of schooling processes for children at all levels from pre-school through high-school. These judgments will be made based on extended field experiences in public schools, as well as study of materials regarding best practices in schools.

**EDUC 30003 Honors Tutorial.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. An examination of a major issue in education. This course is only offered as a tutorial and the topic is determined in consultation with an instructor. Arrangements for this course must be made prior to enrollment.

**EDUC 30113 Introduction to Educational Technology.** An introduction to using educational technology for professional productivity and instructional purposes. Includes familiarity and operational skills with word processing, spreadsheets, databases, graphics, desktop publishing, telecommunications, instructional software and multimedia authoring programs.

**EDUC 30123 Educational Psychology.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Psychological bases of the education process; theories of learning; individual differences. Includes observations of children and adolescents in informal settings.

**EDUC 30143 Child and Adolescent Development.** Introduction to theories of child and adolescent development emphasizing ages 5-18. Physical, cognitive, emotional and social aspects of development will be considered. Includes observations of children and adolescents in informal settings.

**EDUC 30333 The University: From Scotland to Fort Worth.** The Scottish Enlightenment was an "extraordinary outburst of intellectual activity that took place in Scotland in the eighteenth century." Daiches (1996) notes that "liveliness of mind was an essential condition" for the progress envisioned by the enlightened Scots concerned to "put their new knowledge to work for the benefit of Man." At the heart of this great period in Scottish history were the great universities which not only nurtured this unprecedented outbreak of scholarship, but also formed many of the "Scots teachers in American colonies". While the founders of TCU were not Scottish (their ancestors were Irish, though, so still Gaelic), in many ways they embody the same enlightenment spirit. This course will investigate the university in the Scottish Enlightenment and in TCU on the American frontier.

**EDUC 40003 Honors Research Paper.** Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, School of Education. An independent project on a major issue in education resulting in the Senior Honors Thesis.

**EDUC 40966 All Level Student Teaching.** Prerequisites: Admission to Teacher Education and eligibility for Admission into the Student Teaching Program. All-day observation and supervised teaching for a period of 12 weeks in the public schools. Accompanying weekly discussion sessions and a two-week seminar on campus prior to beginning student teaching for the purpose of developing competencies and professional growth (6 semester hours.)

**EDUC 40970 Directed Study in Education.** Directed Study

**EDUC 50003 Diversity in American Education.** Prerequisite: Admission to Teacher Education Program or written permission of the Dean, School of Education. This course will equip educators with the necessary skills for

multiethnic school environments. It focuses on developing an awareness of how education is connected to wider structures of social, cultural, economic life and encourages not only critical examination, but also discussion of alternatives to the present reality.

**EDUC 50043 Seminar in Children's Literature.** Advanced study of literature for children with special attention to principles of selection and use in the elementary school curriculum.

**EDUC 50063 Seminar in Teaching Gifted and Talented Children.** Advanced study of methods to identify, assess and teach exceptionally capable students. Major emphasis is on developing skills and teaching methods. Other aspects cover guidance counseling process, social/emotional needs, working with parents, and model school-district programs.

**EDUC 50143 Theories of Human Development.** Selected theories of human behavioral, social, and emotional development.

**EDUC 50203 Programs in Bilingual Education.** The rationale for bilingual-bicultural education including a survey of current programs. Includes lab experiences in public school classes.

**EDUC 50213 Seminar in Bilingual Education.** Methods and strategies in teaching the bilingual child; including English as a second language and Spanish as a first language. Observation and participation in bilingual classes required.

**EDUC 50253 Technology Applications in Education.** An introduction to using educational technology for professional productivity and instructional purposes. Includes familiarity and operational skills with word processing, spreadsheets, databases, graphics, desktop publishing, telecommunications, instructional software and multimedia authoring programs.

**EDUC 50263 Cybercommunication in Education.** Educational applications of computers and the Internet for communicating information. Students will develop skills in locating, organizing, interpreting, analyzing, evaluating, designing, and communicating various types of digital information (e.g., online discussions, desktop publishing, multimedia, and web sites). They will consider ethical and societal issues related to cybercommunication and instruction.

**EDUC 50313 Foundations of Literacy.** Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, School of Education. The study of the theoretical bases for literacy instruction. Research from linguistics, cognitive psychology, and sociology will be studied as related to recommendations for practices in literacy instruction.

**EDUC 50503 Developing Communication Competencies of Linguistically and Culturally Diverse Students.** Prerequisites: Admission to Teacher Education Program or written permission of the Dean, School of Education, and concurrent enrollment in EDMS/EDSE 50223, or permission of the instructor. Principles and practices of first and second language acquisition as they relate to the development of communication skills. Emphasis is placed on the interrelatedness of language processing (reading, writing, speaking and listening) to facilitate the learner's ability to construct meaning. Strategies to enhance social-communicative and cognitive-academic language competence, and self-directed learning are addressed. Assessment procedures appropriate to second-language learners are introduced.

**EDUC 50513 Curriculum and Instruction in the Second Language Learning Classroom.** Curricular and instructional principles and practices to meet the academic development needs of first and second language learners in the classroom. Emphasis on strategies for providing content-area instruction and establishing learner-centered environments within various ESL settings. Texas requirements for second language learners are addressed. (Offered as EDEL or EDSE credit.)

**EDUC 50643 Reading in the Secondary School.** Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Materials and methods for developing reading skills of the secondary school student in the various curriculum areas.

**EDUC 50870 Directed Study in Education.** Study of specialized topics in Education.

**EDUC 50970 Special Problems in Education.** Prerequisite: Approval of advisor and course instructor.

## College of Fine Arts

[Degrees Offered](#)

[Requirements for Graduation](#)

[Arts Administration Minor](#)

[Student Organizations](#)

### Overview

Since the founding of TCU more than a century ago, Fine Arts studies have been a vital and integral part of the University's educational program. Today, some 550 students concentrate their studies within the three departments and one school that comprise The College of Fine Arts. Degree programs are available in Art and Art History, Ballet and Modern Dance, Music, and Theatre Arts. The academic programs of the college exact an appropriate balance between professional training and liberal arts studies. Personal counseling and relatively small classes allow the faculty to give attention to the work of each student.

Our faculty are dedicated teachers who combine strong academic training with years of professional experience in their disciplines. They pride themselves on their ability to convey to their students the knowledge necessary for successful lives and careers in the 21st century. We also have visiting faculty, guest artists, and performers who interact with students throughout the year enriching their learning experiences.

Resources available to students include numerous computer labs, lighting and sound systems, specialized libraries and equipment, galleries, art and dance studios, theaters, and performance halls. Our new Walsh Center for the Performing Arts was opened in 1999. Importantly, our programs enjoy close working relationships with the Kimbell Art Museum, The Fort Worth Symphony, Casa Mañana Theatre and the other visual and performing institutions in the Dallas/Fort Worth Metroplex.

### Organization and Program

The College of Fine Arts is organized into three departments and one school offering 24 major fields of concentration. The departments provide professional training in vocational fields for students planning careers and serious avocational training and for those who wish to attain artistic ability without professional intent.

### Schools

#### School of Music

Performance  
Piano, Organ, Voice, Band and Orchestral Instruments  
Piano Pedagogy  
Theory and Composition  
Music Education  
Church Music  
Opera

### Departments

#### Department of Art and Art History

Drawing, Design and Painting  
Photography  
Printmaking  
Sculpture  
Ceramics  
Graphic Design  
Art Education  
Art History

#### Department of Ballet and Modern Dance

Ballet/Pointe & Modern Dance techniques  
Choreography  
Repertoire/Variations  
Teaching methods  
Dance history  
Partnering  
Aesthetics  
Kinesiology  
Dance lighting

#### Department of Theatre

Acting  
Musical Theatre  
Directing  
Scenic Design  
Costume Design  
Lighting Design  
Make-up and Hair  
Stagecraft  
Costume Construction

## Degrees Offered

**Bachelor of Fine Arts** degree with a major in graphic design, studio art, or art education; ballet or modern dance; theatre.

**Bachelor of Arts** degree with a major in art history, music, or theatre.

### *Foreign Language Requirement:*

All students pursuing the Bachelor of Arts degree must demonstrate competency in a foreign language equivalent to the completion of one of the following:

FREN 20063 Fourth Semester College French

GERM 20063 Intermediate German

GREE 20063 Fourth Semester College Greek (Hellenistic)

ITAL 20063 Fourth Semester College Italian

JAPN 20063 Fourth Semester College Japanese

SPAN 20203 Intermediate Spanish

This requirement may be satisfied by either satisfactory completion of coursework taken at or transferred to TCU or by presenting satisfactory scores on recognized standardized tests (i.e., AP, CLEP or SAT II). Required scores on standardized tests may be found in the Credit by Exam booklet available from the Office of Admissions. For languages not currently taught at TCU, six semester hours at the sophomore-level, transferred to TCU from another accredited institution, may be used to satisfy this requirement. Students may also provide evidence of competency in the non-English language by successfully completing one academic year in a secondary or post-secondary institution in which the language of instruction is other than English, for which the student will receive 12 hours of credit.

**Bachelor of Music** degree with a major in performance, piano pedagogy, theory/composition, or church music.

## **Bachelor of Music Education degree**

### **3/2 B.A., B.S./MBA Program in Business**

The College of Fine Arts and M.J. Neeley School of Business offer a combined degree in Art History, Music, or Theatre and a master's degree in Business Administration (MBA). The Three-Two Program, as it is called, takes five years to complete.

Students interested in the program spend the first three years in the College of Fine Arts completing the University Curriculum Requirements (including MATH 10283 and ECON 20103 and 20113) and meeting the requirements of their major field. During the third year of study, application is made to the MBA program. To be considered for admission, applicants must have completed, or anticipate completing by the end of the third year, a minimum of 100 hours in non-business courses and finished all major requirements and core requirements. Applicants must submit the usual application materials, including scores from the Graduate Management Admission Test (GMAT), and must present above-average academic records.

If admitted, a student enters the MBA phase of the Three-Two program in the fourth year of study at TCU. The first year of the MBA, comprising 24 hours of course work, meets the minor requirements of the undergraduate degree. After successful completion of the first year of the MBA program, the student may petition the Dean of the College of Fine Arts to be awarded the undergraduate degree.

## **Multiple Majors**

The following applies to all students majoring in the College of Fine Arts. Students who wish to pursue an additional major in the college must satisfy all degree requirements of the additional major, including courses specified in the TCU Core Curriculum as particular to that degree and major.

Students who wish to pursue an additional degree in another college, if additional majors are permitted in that college, must complete all degree requirements for each major, including courses specified in the TCU Core Curriculum as particular to each degree and major.

Students outside the College of Fine Arts whose home college permits an additional major in the College of Fine Arts must complete all degree requirements for the additional major, including courses specified in the TCU Core Curriculum for that particular degree and major.

## **Special Programs.**

The Performance Certificate and the Artist Diploma are available for pianists with exceptional performance ability. See School of Music section for details.

## **Arts Administration Minor**

The Arts Administration Minor is offered through the College of Fine Arts. For requirements, see the School of Music and individual departments in the College of Fine Arts.

## **Requirements for Graduation**

Students must request a degree plan from the Office of the Dean when they have completed 54 semester hours (usually at the end of the sophomore or the beginning of the junior year). The "**Intent to Graduate**" form, available from the Office of the Dean, must be completed no later than a semester preceding expected graduation.

Approval of the department chairman is required for all nontraditional courses, i.e., special problems, independent study, research problems, etc.

Beyond the studies specified for each major, the bachelor's degree is built on the Texas Christian University Core Curriculum that applies to all University graduates.

**Transfer Credit.** Students wishing to take courses at another institution, following their admission to Texas Christian University, must secure approval through the Office of the Dean of the College of Fine Arts before enrolling in them. Additionally, once admitted to TCU, students may only take 12 hours of coursework from another institution. Any exceptions to this rule require permission from students' advisor, Department Chair/Director and Assistant to the Dean.

**Pass/No Credit Policy.** Courses applied toward any major in the College of Fine Arts may not be taken on the P/NC basis.

### Arts Administration Minor

The minor in Arts Administration provides a course of study that enables students to pursue careers in administrative positions in arts institutions and community arts organizations. It is intended for students who wish to combine arts training with practical courses in business and specialized offerings in arts administration. Since the minor in Arts Administration has a scope beyond any particular field in the arts, it is offered through the Dean's office in the College of Fine Arts. General information is available through each department; however, for specific questions, please contact the Dean's office in Moudy 119N.

#### Requirements for the Arts Administration Minor: (18 hours)

##### **Business Knowledge - 9 hrs.**

--Required courses:

ACCT 20153: Principles of Accounting

MANA 30153: Organizational Management

MARK 30153: Marketing Management

--Permits required from the Neeley School of Business to enroll in these Business Classes.

##### **Aesthetic Experience - 3 hrs.**

--Fine Arts majors must choose this from outside the major department

--Choose from:

ART 10043: Intro to Art History

ART 20503: Survey Topics of Art History

BALT 10053: Survey of Dance

BALT 40173: Dance History

BALT 40183: Twentieth Century Dance

MUSI 10033: Survey of Jazz & Pop

MUSI 10053: Survey of Music

MUSI 10073: Rock to Bach

THEA 10053: Survey of Theatre

THEA 10203: Survey of Musical Theatre

##### **Administration Integration - 3 hrs.**

--Required Courses:

AADM 30103: The Arts Organization

AADM 40103: Management in the Arts

--Optional, but recommended:

AADM 40903: Internship in Arts Administration

#### Courses of Instruction - Arts Administration Minor:

**AADM 30103 The Arts Organization.** This course begins with a historic overview of the non-profit organization, and continues with an exploration of non-profit structure and governance, and the variety of careers and organizations found within the nonprofit sector. Students will analyze the various factors that influence arts organizations, and how arts organizations, in turn, affect the world around us.

**AADM 40103 Management in the Arts.** This course introduces students to the practical skills needed to successfully manage an arts organization. Students will explore internal processes, such as budgeting and accountability, and the external relationships that the arts manager must navigate, such as development and fundraising, marketing and audience development, and education and outreach.

**AADM 40903 Internship in Arts Administration.** Prerequisites: AADM 40103, and permission of instructor. Students will be placed in an active role within a local arts organization. 12 hours per week is the expected minimum. Students will also meet monthly with the program administrator.

#### Student Organizations

##### Fraternities and Sororities

Kappa Pi International Honorary Art Fraternity (Art and Art History)

Alpha Psi Omega (Theatre)

Chi Tau Epsilon (Dance)

Mu Phi Epsilon (Music)

Phi Mu Alpha (Music)

Kappa Kappa Psi (Band)

Tau Beta Sigma (Band)

Pi Kappa Lambda (Music Honor Society)

### **Clubs**

ASTA (American String Teachers Association)

IAJE (International Association of Jazz Educators)

MEO (Music Education Organization)

Lending Our Voices and Ears

TCU Honor Society of Artists and Designers

### **Musical Organizations**

Horned Frog Band (Marching)

Symphonic Band

Wind Ensemble

Chamber Winds

Jazz Ensemble

University Orchestra

String and Wind Ensembles

Collegium Musicum

Choral Union

Concert Chorale

Chapel Choir

### **Professional Organizations**

American Advertising Federation

Texas Art Education Association

United States Institute of Theatre Technology (USITT) Student Chapter

Association for Theatre and Higher Education (ATHE)

Texas Educational Theatre Association (TETA)

Southwest Theatre and Film Association

Kennedy Center American College Theatre Festival (KCACTF)



## School of Music

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[School of Music Requirements](#)

[Degree Plans](#)

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### (MUSI)

The Bachelor of Music degree is available with majors in Performance, Piano Pedagogy, Theory/Composition, Music History or Church Music; the Bachelor of Music Education degree is available with a concentration in Vocal or Instrumental Music in preparation for all-level certification, and as a major or minor for the Bachelor of Arts degree.

**Admission.** Acceptance to the School of Music requires an audition in the primary performance and scholarly area. Before an audition can be scheduled, applicants must submit a completed School of Music Audition Request Application, a music résumé, and an essay discussing a musical topic or experience. An additional requirement for admission includes two separate letters of recommendation attesting to the candidate's musical accomplishments and ability sent directly to the School of Music Office. Applicants unable to visit the campus may submit an audio CD recording and/or copies of original scores and papers. Detailed information is available from the School of Music. Students studying as pre-majors must complete the above application steps, including a successful audition before being admitted for study as a music major.

**School Facilities.** The School of Music is housed in Ed Landreth Hall and the Mary D. and F. Howard Walsh Center for Performing Arts. The Landreth building includes teaching, practice and rehearsal facilities, and a 1200-seat auditorium with superb acoustics. Resources include numerous upright and grand pianos; four pipe organs; two harpsichords; a clavichord; a collection of authentic Baroque instruments; the Upchurch Studio for Electro-Acoustic Music; the John Large Vocal Arts Laboratory; and other instrumental collections serve the school.

The Walsh Center is home to the unique 325-seat PepsiCo Recital Hall, which is well known for its unprecedented acoustical design. The Walsh Center also contains an instrumental rehearsal hall, a choral rehearsal hall, and a piano facility furnished exclusively with Steinway pianos. This facility includes: five teaching studios, eight practice rooms, and an electronic piano laboratory.

In addition to these two buildings, Music Building South serves the opera program; practice and studio rooms are located in the basement of Waits and Foster dormitories; and a large, comprehensive music library complete with recordings, reference books, texts, scores, and listening rooms is housed in the Mary Coats Burnett Library.

### School of Music Requirements

**Keyboard Skills.** All music majors, unless exempted by testing, register for Music 11030, Class Piano, in the first semester, and must continue in classes until they pass the keyboard skills test. This requirement must be met by the end of the sophomore year. Students will not be allowed to register for courses in the junior year until this requirement is met. Piano and Organ majors will meet this requirement by taking MUSI 20071 and 20081, Functional Piano.

**Recitals.** All music majors appear in school and studio recitals. Students majoring in performance participate in a half recital during the junior year and present a full recital during the senior year. Students majoring in music education present a recital, typically the semester before student teaching.

**Juries.** A jury examination is held each semester for majors and minors in performance courses and annually for theory/composition majors beginning the sophomore year. At the end of the sophomore year this examination determines whether the student is permitted to enroll in upper division performance and composition lessons. The junior jury and/or recital determine admission to senior standing for performance majors.

**Recital/Concert Attendance.** Music majors are required to enroll in MUSI 11000 each semester. This is a pass/no credit, zero-credit course. Music majors are required to attend a minimum of 15 concerts each semester, with the exception of the student-teaching semester for BME students. Six (6) of these concerts must be from the weekly School of Music Recital Hour Series. The remaining nine (9) may be chosen from faculty and guest artist recitals, TCU and guest ensemble concerts, and student recitals. Students will submit to the School of Music Office original printed concert programs signed by a TCU School of Music faculty member in attendance. Programs must be submitted to Ms. Ott in the School of Music Office within five (5) days after the event, or they will not be accepted. The deadline to submit programs for concert credit will be 5:00 PM on the last day of classes. **In summary:** All undergraduate music majors are required to enroll in and pass 8 semesters of MUSI 11000.

**All music courses** taken in the major or minor sequences must be passed with a grade of "C" or better to fulfill graduation requirements.

### Minor in Arts Administration

An optional minor in Arts Administration is offered under the [College of Fine Arts](#).

### Degree Plans

#### **BM Degree with a Major in Performance - Piano**

#### **University Requirements:**

**Undergraduate degree (124 hr. Minimum)**

--Some School of Music Majors require more than 124 hrs. to complete.

--See individual Music Requirements for details.

**Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**Music Requirements:****Ensembles (4 hrs. total - .5 hr. each semester)**

--Choral Ensemble - 1 semester (Choose from MUSI 10030, 10040, or 10130/10140)

--Piano Accompanying -- 4 semesters (MUSI 10170)

--Chamber Music - 3 semesters (MUSI 10080 - In exceptional cases, a student may substitute MUSI 10080 for MUSI 10170, but not more than 2 semesters and only by petition to the piano faculty)

**Studio Performance Lessons (24 hrs.)**

--Lower Division - 12 hrs.

--Upper Division - 12 hrs.

**Music Theory (25 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

MUSI 20201 Advanced Ear Training

MUSI 20203 Advanced Theory

MUSI 20211 Advanced Ear Training

MUSI 20213 Advanced Theory

MUSI 30202 Form & Analysis

MUSI 30222 Modal Counterpoint

MUSI 30232 Tonal Counterpoint

MUSI 50203 Musical Structure & Style

**Music History (12 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque & Classic

MUSI 30623 History of Music: Romantic & Twentieth Century

MUSI 50433 Keyboard Literature

**Performance Pedagogy (4 hrs.)**

MUSI 30052 Beginning Pedagogy

MUSI 30062 Intermediate Pedagogy

**Functional Piano (2 hrs.)**

MUSI 20071 Functional Piano

MUSI 20081 Functional Piano

**Conducting (2 hrs.)**

MUSI 20512 Introduction to Conducting

**Recitals (2 hrs.)**

MUSP 30991 Recital I

MUSP 40991 Recital II

**Music Electives (5 hrs.)**

Must include 3 hours of Advanced Music Theory or Advanced Music History

**Acoustics: (3 hrs.)**

PHYS 20053 Physics of Music & Sound

**BM Degree with a Major in Performance - Organ****University Requirements:****Undergraduate degree (124 hr. Minimum)**

--Some School of Music Majors require more than 124 hrs. to complete.

--See individual Music Requirements for details.

**Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**Music Requirements:****Ensembles (4 hrs. total - .5 hr. each semester)**

--Choral Ensemble - 4 semesters (Choose from MUSI 10030, 10040, or 10130/10140)

--Chamber Music or Accompanying - 4 semesters (Choose from MUSI 10080 or 10170)

**Studio Performance Lessons (24 hrs.)**

--Lower Division - 12 hrs.

--Upper Division - 12 hrs.

**Music Theory (25 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

MUSI 20201 Advanced Ear Training

MUSI 20203 Advanced Theory

MUSI 20211 Advanced Ear Training

MUSI 20213 Advanced Theory

MUSI 30202 Form & Analysis

MUSI 30222 Modal Counterpoint

MUSI 30232 Tonal Counterpoint

MUSI 50203 Musical Structure & Style

**Music History (12 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque & Classic

MUSI 30623 History of Music: Romantic & Twentieth Century

MUSI 50433 Keyboard Literature

**Performance Pedagogy (4 hrs.)**

MUSI 30052 Beginning Pedagogy

MUSI 30062 Intermediate Pedagogy

**Functional Piano (2 hrs.)**

MUSI 20071 Functional Piano

MUSI 20081 Functional Piano

**Conducting (2 hrs.)**

MUSI 20512 Introduction to Conducting

**Recitals (2 hrs.)**

MUSP 30991 Recital I

MUSP 40991 Recital II

**Music Electives (5 hrs.)**

Must include 3 hours of Advanced Music Theory or Advanced Music History

**Acoustics: (3 hrs.)**

PHYS 20053 Physics of Music & Sound

**BM Degree with a Major in Performance - Piano Pedagogy.**

**University Requirements:**

**Undergraduate degree (124 hr. Minimum)**

--Some School of Music Majors require more than 124 hrs. to complete.

--See individual Music Requirements for details.

**Upper-level coursework taken at TCU (42 hr. Minimum)**

**TCU Core Curriculum (39 hr. Minimum)**

--TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**Music Requirements:**

**Ensembles (4 hrs. total - .5 hr. each semester)**

--Choral Ensemble - 1 semester (Choose from MUSI 10030, 10040, or 10130/10140)

--Piano Accompanying - 4 semesters (MUSI 10170)

--Chamber Music - 3 semesters (MUSI 10080 - In exceptional cases, a student may substitute MUSI 10080 for MUSI 10170, but not more than 2 semesters and only by petition to the piano faculty)

**Studio Performance Lessons (18 hrs.)**

--Lower Division - 8 hrs.

--Upper Division - 10 hrs.

**Music Theory (25 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

MUSI 20201 Advanced Ear Training

MUSI 20203 Advanced Theory

MUSI 20211 Advanced Ear Training

MUSI 20213 Advanced Theory

MUSI 30202 Form & Analysis

MUSI 30222 Modal Counterpoint

MUSI 30232 Tonal Counterpoint

MUSI 50203 Musical Structure & Style

**Music History (12 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque & Classic

MUSI 30623 History of Music: Romantic & Twentieth Century

MUSI 50433 Keyboard Literature

**Performance Pedagogy (8 hrs.)**

MUSI 30052 Beginning Pedagogy

MUSI 30062 Intermediate Pedagogy

MUSI 40052 Group Piano Pedagogy

MUSI 40062 Piano Teaching Internship

**Functional Piano (2 hrs.)**

MUSI 20071 Functional Piano

MUSI 20081 Functional Piano

**Conducting (2 hrs.)**

MUSI 20512 Introduction to Conducting

**Recitals (2 hrs.)**

MUSP 30991 Recital I

MUSP 40991 Recital II

**Music Electives (7 hrs.)**

Must include 3 hours of Advanced Music Theory or Advanced Music History

**Education (6 hrs.)**

EDUC 30123 Educational Psychology

EDUC 30143 Child & Adolescent Development

**Acoustics & Natural Science: (11 hrs.)**

PHYS 20053 Physics of Music & Sound

PSYC 10514 Principles of Behavior

PSYC 10524 Principles of Behavior

**BM Degree with a Major in Performance - Wind and Percussion Instruments*****University Requirements:*****Undergraduate degree (124 hr. Minimum)**

--Some School of Music Majors require more than 124 hrs. to complete.

--See individual Music Requirements for details.

**Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

***Music Requirements:*****Ensembles (4 hrs. total - .5 hr. each semester)**

--Wind Symphony, Symphonic Band, Orchestra or Marching Band - 8 semesters

--Jazz Ensemble may be counted for a maximum of 2 semesters

**Studio Performance Lessons (24 hrs.)**

--Lower Division - 12 hrs.

--Upper Division - 12 hrs.

**Music Theory (25 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

MUSI 20201 Advanced Ear Training

MUSI 20203 Advanced Theory

MUSI 20211 Advanced Ear Training

MUSI 20213 Advanced Theory

MUSI 30202 Form & Analysis

MUSI 30222 Modal Counterpoint

MUSI 30232 Tonal Counterpoint

MUSI 50203 Musical Structure & Style

**Music History (12 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque & Classic

MUSI 30623 History of Music: Romantic & Twentieth Century

MUSI 50000 level

**Instrumental Performance Pedagogy (3 hrs.)**

MUSI 40033 Instrumental Performance Pedagogy

**Conducting (4 hrs.)**

MUSI 20512 Introduction to Conducting

MUSI 30522 Instrumental Conducting

**Recitals (2 hrs.)**

MUSP 30991 Recital I

MUSP 40991 Recital II

**Music Electives (6 hrs.)**

Must include 3 hours of Advanced Music Theory or Advanced Music History

**Acoustics: (3 hrs.)**

PHYS 20053 Physics of Music & Sound

**BM Degree with a Major in Performance - String Instruments*****University Requirements:*****Undergraduate degree (124 hr. Minimum)**

--Some School of Music Majors require more than 124 hrs. to complete.

--See individual Music Requirements for details.

**Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

***Music Requirements:*****Ensembles (6 hrs. total - .5 hr. each semester minimum)**

--Symphony Orchestra - 8 semesters (MUSI 10120)

--Chamber Music - 4 semesters (MUSI 10080)

**Studio Performance Lessons (24 hrs.)**

--Lower Division - 12 hrs.

--Upper Division - 12 hrs.

**Music Theory (25 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

MUSI 20201 Advanced Ear Training

MUSI 20203 Advanced Theory

MUSI 20211 Advanced Ear Training

MUSI 20213 Advanced Theory

MUSI 30202 Form & Analysis

MUSI 30222 Modal Counterpoint

MUSI 30232 Tonal Counterpoint

MUSI 50203 Musical Structure & Style

**Music History (12 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance  
 MUSI 30613 History of Music: Baroque & Classic  
 MUSI 30623 History of Music: Romantic & Twentieth Century  
 MUSI 50000 level

**Instrumental Performance Pedagogy (3 hrs.)**

MUSI 40033 Instrumental Performance Pedagogy

**Conducting (4 hrs.)**

MUSI 20512 Introduction to Conducting  
 MUSI 30522 Instrumental Conducting

**Recitals (2 hrs.)**

MUSP 30991 Recital I  
 MUSP 40991 Recital II

**Music Electives (6 hrs.)**

Must include 3 hours of Advanced Music Theory or Advanced Music History

**Acoustics: (3 hrs.)**

PHYS 20053 Physics of Music & Sound

**BM Degree with a Major in Performance - Voice*****University Requirements:*****Undergraduate degree (124 hr. Minimum)**

--Some School of Music Majors require more than 124 hrs. to complete.  
 --See individual Music Requirements for details.

**Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

***Music Requirements:*****Ensembles (4 hrs. total - .5 hr. each semester)**

--Ensemble - 4 semesters  
 --Opera Studio - 4 semesters (MUSI 10100)

**Studio Performance Lessons (20 hrs.)**

--Lower Division - 8 hrs.  
 --Upper Division - 12 hrs.

**Music Theory (23 hrs.)**

MUSI 10201 Elementary Ear Training  
 MUSI 10203 Elementary Theory  
 MUSI 10211 Elementary Ear Training  
 MUSI 10213 Elementary Theory  
 MUSI 20201 Advanced Ear Training  
 MUSI 20203 Advanced Theory  
 MUSI 20211 Advanced Ear Training  
 MUSI 20213 Advanced Theory  
 MUSI 30202 Form & Analysis  
 MUSI 30222 Modal Counterpoint  
 MUSI 50203 Musical Structure & Style

**Music History (12 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance  
 MUSI 30613 History of Music: Baroque & Classic  
 MUSI 30623 History of Music: Romantic & Twentieth Century  
 MUSI 50000 level

**Vocal Pedagogy (3 hrs.)**

MUSI 40063 Voice Pedagogy

**Diction (2 hrs.)**

MUSI 10171 Diction for Singers  
 MUSI 10181 Diction for Singers

**Conducting (4 hrs.)**

MUSI 20512 Introduction to Conducting  
 MUSI 30512 Choral Conducting

**Recitals (2 hrs.)**

MUSP 30991 Recital I  
 MUSP 40991 Recital II

**Music Electives (10 hrs.)**

Must include 3 hours of Advanced Music Theory or Advanced Music History

**Foreign Language (6 hrs.)**

GERM 20053 or FREN 20053 or ITAL 20053  
 GERM 20063 or FREN 20063 or ITAL 20063

**Acoustics: (3 hrs.)**

PHYS 20053 Physics of Music & Sound

**BM Degree with a Major in Music Theory/Composition:  
Composition Emphasis*****University Requirements:*****Undergraduate degree (124 hr. Minimum)**

--Some School of Music Majors require more than 124 hrs. to complete.  
 --See individual Music Requirements for details.

**Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**Music Requirements:**

**Ensembles (4 hrs. total - .5 hr. each semester)**

--Any Ensemble - 8 semesters

**Studio Performance Lessons (8 hrs.)**

--Lower Division - 4 hrs.

--Upper Division - 4 hrs.

**Music Theory (32 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

MUSI 20201 Advanced Ear Training

MUSI 20203 Advanced Theory

MUSI 20211 Advanced Ear Training

MUSI 20213 Advanced Theory

MUSI 30202 Form & Analysis

MUSI 30222 Modal Counterpoint

MUSI 30232 Tonal Counterpoint

MUSI 30312 Orchestration

MUSI 30322 Orchestration

MUSI 30343 Electro-Acoustic Music

MUSI 50203 Musical Structure & Style

**Music History (12 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque & Classic

MUSI 30623 History of Music: Romantic & Twentieth Century

MUSI 50000 level

**Music Composition (14 hrs.)**

MUSI 20412 Composition I

MUSI 20422 Composition II

MUSI 30420 Composition

--Minimum of 5 semesters

**Instrumental Technique (4 hrs.)**

MUSI 10051 String Technique I

MUSI 10071 Percussion Technique

MUSI 30151 Woodwind Technique I

MUSI 30161 Brass Technique I

**Conducting (4 hrs.)**

MUSI 20512 Introduction to Conducting

MUSI 30512 Choral Conducting **or**

MUSI 30522 Instrumental Conducting

**Recitals (1 hr.)**

MUSP 40991 Recital II

--Composers present a recital of their work.

**Music Electives (3 hrs.)**

**Foreign Language (6 hrs.)**

GERM 20053 Third Semester College German

GERM 20063 Fourth Semester College German

**Acoustics: (3 hrs.)**

PHYS 20053 Physics of Music & Sound

**BM Degree with a Major in Music Theory/Composition:  
Theory Emphasis**

**University Requirements:**

**Undergraduate degree (124 hr. Minimum)**

--Some School of Music Majors require more than 124 hrs. to complete.

--See individual Music Requirements for details.

**Upper-level coursework taken at TCU (42 hr. Minimum)**

**TCU Core Curriculum (39 hr. Minimum)**

--TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**Music Requirements:**

**Ensembles (4 hrs. total - .5 hr. each semester)**

--Any Ensemble - 8 semesters

**Studio Performance Lessons (8 hrs.)**

--Lower Division - 4 hrs.

--Upper Division - 4 hrs.

**Music Theory (32 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

MUSI 20201 Advanced Ear Training

MUSI 20203 Advanced Theory

MUSI 20211 Advanced Ear Training

MUSI 20213 Advanced Theory  
 MUSI 30202 Form & Analysis  
 MUSI 30222 Modal Counterpoint  
 MUSI 30232 Tonal Counterpoint  
 MUSI 30312 Orchestration  
 MUSI 30322 Orchestration  
 MUSI 30343 Electro-Acoustic Music  
 MUSI 50203 Musical Structure & Style

**Music History (12 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance  
 MUSI 30613 History of Music: Baroque & Classic  
 MUSI 30623 History of Music: Romantic & Twentieth Century  
 MUSI 50000 level

**Music Composition (6 hrs.)**

MUSI 20412 Composition I  
 MUSI 20422 Composition II  
 MUSI 30420 Composition

**Instrumental Technique (4 hrs.)**

MUSI 10051 String Technique I  
 MUSI 10071 Percussion Technique  
 MUSI 30151 Woodwind Technique I  
 MUSI 30161 Brass Technique I

**Conducting (4 hrs.)**

MUSI 20512 Introduction to Conducting  
 MUSI 30512 Choral Conducting **or**  
 MUSI 30522 Instrumental Conducting

**Recitals (1 hr.)**

MUSP 40991 Recital II

--Theorists present a research paper or lecture recital.

**Music Electives (11 hrs.)**

--Must include at least 6 hours upper division coursework in the Theory/Composition area.

**Foreign Language (6 hrs.)**

GERM 20053 Third Semester College German  
 GERM 20063 Fourth Semester College German

**Acoustics: (3 hrs.)**

PHYS 20053 Physics of Music & Sound

**BM Degree with a Major in Church Music*****University Requirements:*****Undergraduate degree (124 hr. Minimum)**

--Some School of Music Majors require more than 124 hrs. to complete.

--See individual Music Requirements for details.

**Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

***Music Requirements:*****Ensembles (4 hrs. total - .5 hr. each semester)**

--Choral Ensemble - 6 semesters

--Any Ensemble - 2 semesters

**Studio Performance Lessons (16 hrs.)**

Choose Organ or Voice Lessons

--Lower Division - 8 hrs.

--Upper Division - 8 hrs.

**Secondary Instrument Performance Lessons (4 hrs.)**

Choose Organ, Voice or Piano, whichever is NOT primary instrument

**Music Theory (22 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

MUSI 20201 Advanced Ear Training

MUSI 20203 Advanced Theory

MUSI 20211 Advanced Ear Training

MUSI 20213 Advanced Theory

MUSI 30202 Form & Analysis

MUSI 30222 Modal Counterpoint

MUSI 30232 Tonal Counterpoint

**Music History (12 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque & Classic

MUSI 30623 History of Music: Romantic & Twentieth Century

MUSI 50423 Choral Literature

**Conducting (4 hrs.)**

MUSI 20512 Introduction to Conducting

MUSI 30512 Choral Conducting

**Church Music (6 hrs.)**

MUSI 30713 Service Playing & Repertory

MUSI 30723 Hymnology

**Recitals (2 hrs.)**

MUSP 30991 Recital I  
 MUSP 40991 Recital II  
**Music Electives (4 hrs.)**  
**Acoustics: (3 hrs.)**  
 PHYS 20053 Physics of Music & Sound

**RELIGION REQUIREMENTS:**

**Introductory Religion (3 hrs.)**  
 RELI 10003 Understanding Religion: The Bible  
**Church History or Religion & Learning (3 hrs.)**  
 --Choose from 3 hrs. from RELI 30323, RELI 30333, RELI 20703, and RELI 30653  
**Religion in the Arts (3 hrs.)**  
 MUSI 30743

**Bachelor of Music Education - Instrumental Concentration**

**University Requirements:**

**Undergraduate degree (124 hr. Minimum)**  
 --This major *typically* requires 137 hrs. minimum to complete.  
 --See individual Music Requirements for details.  
**Upper-level coursework taken at TCU (42 hr. Minimum)**  
**TCU Core Curriculum (39 hr. Minimum)**  
 --TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**Music Requirements:**

**Ensembles (4 hrs. total - .5 hr. each semester)**  
 Students with Band Concentration - 8 Semesters  
 --Wind Symphony (MUSI 10010), Symphonic Band (MUSI 10210), or Marching Band (MUSI 10110)  
 --Jazz Ensemble (MUSI 10190) may be counted for a maximum of 2 semesters  
 Students with Orchestra Concentration - 8 Semesters  
 --Symphony Orchestra (MUSI 10120)

**Studio Performance Lessons (16 hrs.)**

--Lower Division - 8 hrs.  
 --Upper Division - 8 hrs.

**Music Theory (20 hrs.)**

MUSI 10201 Elementary Ear Training  
 MUSI 10203 Elementary Theory  
 MUSI 10211 Elementary Ear Training  
 MUSI 10213 Elementary Theory  
 MUSI 20201 Advanced Ear Training  
 MUSI 20203 Advanced Theory  
 MUSI 20211 Advanced Ear Training  
 MUSI 20213 Advanced Theory  
 MUSI 30202 Form & Analysis  
 MUSI 30312 Orchestration

**Music History (9 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance  
 MUSI 30613 History of Music: Baroque & Classic  
 MUSI 30623 History of Music: Romantic & Twentieth Century

**Instrumental Techniques (6 hrs.)**

--Students not required to take technique class in their primary instrument

MUSI 10051 String Technique I  
 MUSI 10061 String Technique II  
 MUSI 10071 Percussion Technique  
 MUSI 30151 Woodwind Technique I  
 MUSI 30161 Brass Technique I  
 MUSI 30171 Woodwind Technique II  
 MUSI 30181 Brass Technique II

**Class Voice (1 hr.)**

MUSI 20051 Class Voice

**Music Education (10 hrs.)**

MUSI 10511 Introduction to Music Education  
 MUSI 20311 Field Experience in Music  
 MUSI 20611 Marching Band Techniques & Design  
 --Wind and Percussion concentration only  
 MUSI 30313 Orchestration  
 MUSI 30812 Instrumental Organization & Administration  
 MUSI 30822 Instrumental Organization & Administration

**Conducting (4 hrs.)**

MUSI 20512 Introduction to Conducting  
 MUSI 30522 Instrumental Conducting

**Recital (1 hr.)**

MUSP 30991 Recital I

**Music Elective (1-2 hrs.)**

--Wind and Percussion, 1 hr.  
 --Strings, 2 hrs.

**Acoustics: (3 hrs.)**

PHYS 20053 Physics of Music & Sound



**Education Requirements:****Communication Studies (3 hrs.)**

Required for Admission to the School of Education

--Choose from COMM 10123, COMM 20103, and COMM 20133

**ED Psych/Development (6 hrs.)**

EDUC 30123 Educational Psychology

EDUC 30143 Child & Adolescent Development

**Education Certification (13 hrs.)**

EDSE 30013 Professional Roles & Responsibilities

EDSP 30603 Study of the Exceptional Student

EDSE 40213 Promoting Literacy In Content Subject

EDSE 50023 Effective Teaching & Classroom Implementation

EDSE 30001 Professional Practice Seminar

**Student Teaching (6 hrs.)**

EDSE 40980 Secondary Student Teaching

EDSE 40990 Elementary Student Teaching

-- EDUC 40966: All-level Student Teaching may be used to fulfill this requirement

**Bachelor of Music Education - Vocal Concentration****University Requirements:****Undergraduate degree (124 hr. Minimum)**

--This major *typically* requires 133 hrs. minimum to complete.

--See individual Music Requirements for details.

**Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**Music Requirements:****Ensembles (4 hrs. total - .5 hr. each semester)**

--Concert Chorale (MUSI 10040), Women's Choir (MUSI 10130) or Men's Choir (10140) - 8 Semesters

--Opera Studio (MUSI 10010) may be counted for a maximum of 2 semesters

**Studio Performance Lessons (14 hrs.)**

--Lower Division - 8 hrs.

--Upper Division - 6 hrs.

**Music Theory (20 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

MUSI 20201 Advanced Ear Training

MUSI 20203 Advanced Theory

MUSI 20211 Advanced Ear Training

MUSI 20213 Advanced Theory

MUSI 30202 Form & Analysis

MUSI 30312 Orchestration

**Music History (9 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque & Classic

MUSI 30623 History of Music: Romantic & Twentieth Century

**Diction (2 hrs.)**

MUSI 10171 Diction for Singers

MUSI 10181 Diction for Singers

**Class Guitar (1 hr.)**

MUSI 20021 Class Guitar

**Functional Instrumental Technique (1 hr.)**

MUSI 10081 Functional Instrumental Technique

**Music Education (10 hrs.)**

MUSI 10511 Introduction to Music Education

MUSI 20311 Field Experience in Music

MUSI 20511 Analytical Listening for Vocal Conductors

MUSI 30313 Elementary Music

MUSI 30912 Choral Organization & Administration

MUSI 30922 Choral Organization & Administration

**Conducting (4 hrs.)**

MUSI 20512 Introduction to Conducting

MUSI 30512 Choral Conducting

**Recital (1 hr.)**

MUSP 30991 Recital I

**Music Elective (2 hrs.)****Acoustics: (3 hrs.)**

PHYS 20053 Physics of Music & Sound

**Education Requirements:****Communication Studies (3 hrs.)**

Required for Admission to the School of Education

--Choose from COMM 10123, COMM 20103, and COMM 20133

**ED Psych/Development (6 hrs.)**

EDUC 30123 Educational Psychology

EDUC 30143 Child & Adolescent Development  
**Education Certification (13 hrs.)**  
 EDSE 30013 Professional Roles & Responsibilities  
 EDSP 30603 Study of the Exceptional Student  
 EDSE 40213 Promoting Literacy In Content Subject  
 EDSE 50023 Effective Teaching & Classroom Implementation  
 EDSE 30001 Professional Practice Seminar  
**Student Teaching (6 hrs.)**  
 EDSE 40980 Secondary Student Teaching  
 EDSE 40990 Elementary Student Teaching  
 -- EDUC 40966: All-level Student Teaching may be used to fulfill this requirement

### **Bachelor of Arts**

#### **University Requirements:**

#### **Undergraduate degree (124 hr. Minimum)**

--Some School of Music Majors require more than 124 hrs. to complete.

--See individual Music Requirements for details.

#### **Upper-level coursework taken at TCU (42 hr. Minimum)**

#### **TCU Core Curriculum (39 hr. Minimum)**

--TCU-Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

#### **Music Requirements:**

#### **Ensembles (2 hrs. total)**

--Any Ensemble - 4 semesters

#### **Studio Performance Lessons (12 hrs.)**

--Lower Division - 8 hrs.

--Upper Division - 4 hrs.

#### **Music Theory (16 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

MUSI 20201 Advanced Ear Training

MUSI 20203 Advanced Theory

MUSI 20211 Advanced Ear Training

MUSI 20213 Advanced Theory

#### **Music History (15 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque & Classic

MUSI 30623 History of Music: Romantic & Twentieth Century

MUSI 50000 level

MUSI 50000 level

#### **Conducting (2 hrs.)**

MUSI 20512 Introduction to Conducting

#### **Music Electives (3 hrs.)**

--Must be advanced level coursework

#### **Foreign Language (6 hrs.)**

--All students pursuing the Bachelor of Arts degree must demonstrate competency in a foreign language at the second semester sophomore level. See Modern Language Catalog listing for additional information.

#### **General Electives (to complete 124 hr. minimum)**

#### **Suggested Course for the Freshman Year: BM, BME and BA**

#### **FALL:**

#### **Music Theory (4 hrs.)**

Music Theory 10201

Music Theory 10203

#### **Lower Division Studio Lessons (1-3 hrs.)**

--Music Theory/Composition - 1 hr.

--Vocal Performance - 2 hrs.

--Music Education - 2 hrs.

--Keyboard Performance - 3 hrs.

--Instrumental Performance - 3 hrs.

#### **Class Piano 11030**

#### **Recital Hour 11000**

#### **Ensemble (.5 hrs.)**

#### **TCU CC (6-9 hrs.)**

#### **SPRING:**

#### **Music Theory (4 hrs.)**

Music Theory 10211

Music Theory 10213

#### **Lower Division Studio Lessons (1-3 hrs.)**

--Music Theory/Composition - 1 hr.

--Vocal Performance - 2 hrs.

--Music Education - 2 hrs.

--Keyboard Performance - 3 hrs.

--Instrumental Performance - 3 hrs.

#### **Class Piano 11040**

**Recital Hour 11000**  
**Ensemble (.5 hrs.)**  
**TCU CC (6-9 hrs.)**

**Minor in Music**

**MUSIC REQUIREMENTS: 21 hrs. total**

**Studio Performance Lessons (4 hrs.)**

--Lower Division - 4 hrs.

--Requires 4 semesters of successful jury examinations designated to fulfill music minor requirement

**Music Theory (8 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

**Music History (9 hrs.)**

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque & Classic

MUSI 30623 History of Music: Romantic & Twentieth Century

**Special Programs**

**The Performer's Certificate in Piano**

The Performer's Certificate is a special course of study designed for those undergraduate students with outstanding musical and performance ability who show the promise of becoming concert artists and who do not choose to include the academic component of the Bachelor of Music curriculum. The program is designed to allow the student maximum time and flexibility to develop his/her performing ability while completing the essential studies for a solid musical background.

To be considered, candidates must have a high school diploma or equivalent and must demonstrate, through an audition for the piano faculty, the promise of becoming a concert performer. Admission to the program is allowed only upon the recommendation of the piano faculty and the approval of the Director of the School of Music.

International students must demonstrate proficiency in English by scoring at least 550 on the Test of English as a Foreign Language (TOEFL) or by otherwise meeting the TCU English requirement, with no section score less than 55.

The Performer's Certificate is a three-year program.

A minimum cumulative GPA of 3.0 is required to maintain satisfactory academic progress in this program.

**The Artist Diploma in Piano**

The Artist Diploma is a program for the most advanced and gifted young performers who, by their performance and credentials, demonstrate that they have serious potential to become concert artists. The program is designed to provide intensive study and performance opportunities under the guidance of master teachers in preparation for a concert career.

An audition for the piano faculty is required. Admission to the program is allowed only upon the recommendation of the piano faculty and the approval of the Director of the School of Music.

The Artist Diploma is a three-year program available in both a pre-baccalaureate and a post-baccalaureate track. A minimum cumulative GPA of 3.0 is required to maintain satisfactory academic progress in this program.

**Performers Certificate in Piano**

Requires 79 hrs. total

**Ensembles (2 hrs. total - .5 hr. each semester)**

--Choral Ensemble (MUSI 10030, 10040, or 10130/10140) - 2 semesters

--Piano Accompanying (MUSI 10170) or Chamber Music (MUSI 10080) - 2 semesters

**Studio Performance Lessons (24 hrs.)**

--Upper Division (MUSP 40210) - 24 hrs.

**Music Theory (20 hrs.)**

MUSI 10201 Elementary Ear Training

MUSI 10203 Elementary Theory

MUSI 10211 Elementary Ear Training

MUSI 10213 Elementary Theory

MUSI 20201 Advanced Ear Training

MUSI 20203 Advanced Theory

MUSI 20211 Advanced Ear Training

MUSI 20213 Advanced Theory

MUSI 30202 Form & Analysis

MUSI 30222 Modal Counterpoint

**Music History (12 hrs.)**

MUSI 30613 History of Music: Baroque & Classic

MUSI 30623 History of Music: Romantic & Twentieth Century

MUSI 50433 Keyboard Literature

**Accompanying (2 hrs.)**

MUSI 10271 Introduction to Piano Accompanying I

MUSI 10281 Introduction to Piano Accompanying II

**Piano Chamber Music (4 hrs.)**

MUSI 20082 Piano Chamber Music Performance I

MUSI 20182 Piano Chamber Music Performance II

**Piano Repertoire & Performance (4 hrs.)**

MUSI 20212 Piano Repertoire & Performance I

MUSI 40212 Piano Repertoire & Performance II

**Conducting (2 hrs.)**

MUSI 30522 Instrumental Conducting

**Recitals (3 hrs.)**

MUSP 30991 Recital I

MUSP 40981 Piano Recital

MUSP 40991 Recital II

**Music Electives (6 hrs.)**

**Artists Diploma in Piano (pre-baccalaureate)**

Requires 33 hrs. total

**Studio Performance Lessons (26 hrs.)**

--Upper Division (MUSP 40210) - 26 hrs.

**Recitals (4 hrs.)**

MUSP 30991 Recital I

MUSP 40971 Piano Recital

MUSP 40981 Piano Recital

MUSP 40991 Recital II

**Collaborative Piano (3 hrs.)**

MUSI 21081 - 3 semesters

**Honors Program:** Music majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in the Honors sections of MUSI 30613 and MUSI 30623 prior to their senior year. They should enroll in MUSI 40003 the Fall semester of their senior year.

**Studio Instruction**

**Keyboard Performance** majors register for 3 credit hours each semester of Lower and Upper Division study.

**Piano Pedagogy** majors register for 2 credit hours each semester of Lower and Upper Division study until the senior year, when they register for 3 credit hours each semester.

**Band and Orchestral Instrument** majors register for 3 credit hours each semester of Lower and Upper Division study.

**Voice Performance** majors register for 2 credit hours each semester of Lower Division study and 3 credit hours each semester of Upper Division study.

**Secondary Voice** for the non-major or for the music major whose principal instrument is other than voice.

Requirements in repertoire differ from Principal Voice in difficulty rather than kind. The standard of achievement in vocal technique will be appropriate for the secondary student. Repertoire assignments will be made from the standard art song and operatic aria literature. Non-majors register for 1 or 2 credit hours.

**Music Education** majors register for 2 credit hours each semester of Lower and Upper Division study.

**Music History and Music Theory/Composition** majors register for 1 credit hour each semester of Lower and Upper Division study.

**Music Performance Elective Credit.** To register for private lessons, students must audition and obtain permission of the instructor.

**Lower Division Studio Lessons** Variable credit. \*1-4 semester hours

**Vocal Studies**

20110 Voice

21100 Secondary Voice

--For student not majoring or minoring in Voice

**Keyboard Studies**

20210 Piano

20220 Organ

20230 Jazz Piano

20240 Harpsichord

**Band/Orchestral Instrument Studies**

20310 Violin

20320 Viola

20330 Violoncello

20340 Double Bass

20350 Viola da Gamba

20360 Jazz Bass

20410 Flute

20420 Oboe

20430 Clarinet

20440 Saxophone

20450 Bassoon

20510 French Horn

20520 Trumpet (Cornet)

20530 Trombone

20550 Tuba

20560 Euphonium

20610 Percussion

20620 Jazz Drumset

20710 Harp

20810 Guitar

20910 Jazz Guitar

**Upper Division Studio Lessons**

Variable credit. \*1-6 semester hours.

**Vocal Studies**

40110 Voice

**Keyboard Studies**

40210 Piano  
 40220 Organ  
 40230 Jazz Piano  
 40240 Harpsichord

#### **Band/Orchestral Instrument Studies**

40310 Violin  
 40320 Viola  
 40330 Violoncello  
 40340 Double Bass  
 40360 Jazz Bass  
 40350 Viola da Gamba  
 40410 Flute  
 40420 Oboe  
 40430 Clarinet  
 40440 Saxophone  
 40450 Bassoon  
 40510 French Horn  
 40520 Trumpet (Cornet)  
 40530 Trombone  
 40550 Tuba  
 40560 Euphonium  
 40610 Percussion  
 40620 Jazz Drumset  
 40710 Harp  
 40810 Guitar  
 40910 Jazz Guitar

#### **Recital Courses**

30991 RECITAL I. Prerequisite: Junior standing and permission of instructor.  
 40971 PIANO RECITAL. Prerequisite: 30991.  
 40981 PIANO RECITAL. Prerequisite: 40971.  
 40991 RECITAL II. Prerequisite: Senior standing and permission of instructor. Students giving a recital must have successfully completed 30991, RECITAL I.

*\*Taking more than 3 hours of applied music requires permission from the Director of the School of Music.*

#### **Music Ensembles**

All majors and minors in Performance will participate in at least one ensemble organization each semester. Usually this will be directly allied to the subject of Performance study. There may be exceptions where a student is qualified to participate in more than one type of organization.

Each of the following courses earn 1/2 semester hour.

10010 WIND SYMPHONY  
 10020 PERCUSSION ENSEMBLE  
 10030 CHORAL UNION  
 10040 CONCERT CHORALE  
 10050 CHAPEL CHOIR  
 10060 CHAMBER SINGERS  
 10070 VOCAL JAZZ ENSEMBLE  
 10080 CHAMBER MUSIC  
 10090 WOODWIND ENSEMBLE  
 10100 OPERA STUDIO  
 10110 MARCHING BAND  
 10120 SYMPHONY ORCHESTRA  
 10150 NEW MUSIC ENSEMBLE  
 10160 BRASS ENSEMBLE  
 10170 PIANO ACCOMPANYING  
 10180 COLLEGIUM MUSICUM  
 10190 JAZZ ENSEMBLE  
 10210 SYMPHONIC BAND  
 10220 CONCERT BAND  
 10350 CELLO ENSEMBLE

#### **Course Categories**

##### **MUSIC THEORY**

MUSI 10003 Music Theory for Non-Majors  
 MUSI 10201 Elementary Ear Training  
 MUSI 10211 Elementary Ear Training  
 MUSI 10203 Elementary Theory  
 MUSI 10213 Elementary Theory  
 MUSI 20201 Advanced Ear Training  
 MUSI 20211 Advanced Ear Training  
 MUSI 20203 Advanced Theory  
 MUSI 20213 Advanced Theory  
 MUSI 20412 Composition I  
 MUSI 20422 Composition II  
 MUSI 30202 Form and Analysis  
 MUSI 30222 Modal Counterpoint  
 MUSI 30232 Tonal Counterpoint  
 MUSI 30312 Orchestration  
 MUSI 30322 Advanced Orchestration  
 MUSI 30332 Marching Band Arranging  
 MUSI 30342 Jazz Arranging

MUSI 30343 Electro-Acoustic Music  
 MUSI 30420 Composition  
 MUSI 50203 Musical Structure and Style  
 MUSI 50523 Linear Analysis

#### **MUSIC HISTORY**

MUSI 10033 Survey of Jazz and Popular Music  
 MUSI 10053 Survey of Music  
 MUSI 10063 World Music  
 MUSI 10073 From Rock to Bach  
 MUSI 10083 Introduction to Film Music  
 MUSI 20613 History Of Music: Ancient, Medieval, Renaissance  
 MUSI 30613 History of Music: Baroque and Classic  
 MUSI 30623 History of Music: Romantic and Twentieth Century  
 MUSI 30723 Hymnology  
 MUSI 50303 History of Sacred Music  
 MUSI 50403 Symphonic Literature  
 MUSI 50413 Operatic Literature  
 MUSI 50423 Choral Literature  
 MUSI 50433 Keyboard Music  
 MUSI 50443 Ethnomusicology  
 MUSI 50453 Music Criticism  
 MUSI 50463 Music in the Twentieth Century  
 MUSI 50473 Song Literature  
 MUSI 50483 Chamber Music Literature  
 MUSI 50493 Music in the United States  
 MUSI 50303 History of Sacred Music

#### **CHURCH MUSIC**

MUSI 30512 Choral Conducting  
 MUSI 30522 Instrumental Conducting  
 MUSI 30713 Service Playing and Repertory  
 MUSI 30723 Hymnology  
 MUSI 30922 Choral Organization and Administration  
 MUSI 50423 Choral Literature

#### **MUSIC EDUCATION**

MUSI 10223 Basic Music  
 MUSI 10511 Introduction to Music Education  
 MUSI 20311 Field Experience in Music  
 MUSI 20511 Analytical Listening for Vocal Conductors  
 MUSI 20512 Introduction to Conducting  
 MUSI 20611 Marching Band Techniques and Design  
 MUSI 30313 Elementary Music  
 MUSI 30512 Choral Conducting  
 MUSI 30522 Instrumental Conducting  
 MUSI 30812 Instrumental Organization and Administration  
 MUSI 30822 Instrumental Organization and Administration  
 MUSI 30912 Choral Organization and Administration  
 MUSI 30922 Choral Organization and Administration  
 MUSI 50212 Choral Conducting  
 MUSI 50222 Instrumental Conducting

#### **HONORS COURSES**

MUSI 30613 History of Music: Baroque and Classic.  
 MUSI 30623 History of Music: Romantic and Twentieth Century  
 MUSI 40003 Senior Honors Research Project

#### **SPECIAL TOPICS**

MUSI 30970 Directed Study in Music  
 MUSI 50970 Special Problems

#### **PERFORMANCE STUDIES CLASS INSTRUCTION**

MUSI 10021 Class Guitar  
 MUSI 11030 Class Piano  
 MUSI 11040 Class Piano  
 MUSI 10051 String Instrument Technique I  
 MUSI 10061 String Technique II  
 MUSI 10071 Percussion Technique  
 MUSI 10081 Functional Instrumental Technique  
 MUSI 10171 Diction for Singers  
 MUSI 10181 Diction for Singers  
 MUSI 10191 Jazz Improvisation  
 MUSI 10271 Piano Accompanying I  
 MUSI 10281 Piano Accompanying II  
 MUSI 21030 Class Piano  
 MUSI 21040 Class Piano  
 MUSI 20051 Class Voice  
 MUSI 20071 Functional Piano  
 MUSI 20081 Functional Piano  
 MUSI 20082 Piano Chamber Music Performance I  
 MUSI 20182 Piano Chamber Music Performance II  
 MUSI 20212 Piano Repertoire and Performance I  
 MUSI 30151 Woodwind Technique I

MUSI 30161 Brass Technique I  
 MUSI 30171 Woodwind Technique II  
 MUSI 30181 Brass Technique II  
 MUSI 40212 Piano Repertoire and Performance II

**PEDAGOGY**

MUSI 30052 Beginning Piano Pedagogy.  
 MUSI 30062 Intermediate Piano Pedagogy.  
 MUSI 40033 Instrumental Performance Pedagogy.  
 MUSI 40052 Group Piano Pedagogy.  
 MUSI 40062 Piano Teaching Internship.  
 MUSI 40063 Voice Pedagogy.  
 MUSI 50053 Introduction to Voice Pedagogy.  
 MUSI 50063 Comparative Voice Pedagogy.

**OTHER COURSES**

MUSI 10433 Freshman Seminar in Music.  
 MUSI 11000 Recital/Concert Attendance.

**STUDIO INSTRUCTION**

Keyboard Performance  
 Piano Pedagogy  
 Band and Orchestral Instrument  
 Voice Performance  
 Secondary Voice  
 Music Education  
 Music History and Music Theory/Composition  
 Music Performance Elective Credit.

**LOWER DIVISION STUDIO LESSONS****Vocal Studies**

MUSP 20110 Voice.  
 MUSP 21100 Secondary Voice.

**Keyboard Studies**

MUSP 20210 Piano.  
 MUSP 20220 Organ.  
 MUSP 20230 Jazz Piano.  
 MUSP 20240 Harpsichord.

**Band/Orchestral Instrumental Studies**

MUSP 20310 Violin.  
 MUSP 20320 Viola.  
 MUSP 20330 Violoncello.  
 MUSP 20340 Double Bass.  
 MUSP 20350 Viola da Gamba.  
 MUSP 20360 Jazz Bass.  
 MUSP 20410 Flute.  
 MUSP 20420 Oboe.  
 MUSP 20430 Clarinet.  
 MUSP 20440 Saxophone.  
 MUSP 20450 Bassoon.  
 MUSP 20510 French Horn.  
 MUSP 20520 Trumpet.  
 MUSP 20530 Trombone.  
 MUSP 20550 Tuba.  
 MUSP 20560 Euphonium.  
 MUSP 20610 Percussion.  
 MUSP 20620 Jazz Drumset.  
 MUSP 20710 Harp.  
 MUSP 20810 Guitar.  
 MUSP 20910 Jazz Guitar.

**UPPER DIVISION STUDIO LESSON****Vocal Studies**

MUSP 40110 Voice.

**Keyboard Studies**

MUSP 40210 Piano.  
 MUSP 40220 Organ.  
 MUSP 40230 Jazz Piano.  
 MUSP 40240 Harpsichord.

**Band Orchestral Studies**

MUSP 40310 Violin.  
 MUSP 40320 Viola.  
 MUSP 40330 Violoncello.  
 MUSP 40340 Double Bass.  
 MUSP 40350 Viola da Gamba.  
 MUSP 40360 Jazz Bass.  
 MUSP 40410 Flute.  
 MUSP 40420 Oboe.  
 MUSP 40430 Clarinet.  
 MUSP 40440 Saxophone.  
 MUSP 40450 Bassoon.  
 MUSP 40510 French Horn.  
 MUSP 40520 Trumpet.  
 MUSP 40530 Trombone.

MUSP 40550 Tuba.  
 MUSP 40560 Euphonium.  
 MUSP 40610 Percussion.  
 MUSP 40620 Jazz Drumset.  
 MUSP 40710 Harp.  
 MUSP 40810 Guitar.  
 MUSP 40910 Jazz Guitar.

#### **RECITAL COURSES**

MUSP 30991 Recital I.  
 MUSP 40971 Piano Recital.  
 MUSP 40981 Piano Recital.  
 MUSP 40991 Recital II.

#### **MUSIC ENSEMBLES**

MUSI 10010 Wind Symphony.  
 MUSI 10020 Percussion Ensemble.  
 MUSI 10030 Choral Union.  
 MUSI 10040 Concert Chorale.  
 MUSI 10050 Chapel Choir.  
 MUSI 10060 Chamber Singers.  
 MUSI 10070 Vocal Jazz Ensemble  
 MUSI 10080 Chamber Music.  
 MUSI 10090 Woodwind Ensemble.  
 MUSI 10100 Opera Theatre.  
 MUSI 10110 Marching Band.  
 MUSI 10120 Symphony Orchestra.  
 MUSI 10150 New Music Ensemble.  
 MUSI 10160 Brass Ensemble.  
 MUSI 10170 Piano Accompanying.  
 MUSI 10180 Collegium Musicum.  
 MUSI 10190 Jazz Ensemble.  
 MUSI 10210 Symphonic Band.  
 MUSI 10220 Concert Band.

#### **Courses of Instruction**

**FNRT 30900 Fine Arts Interdisciplinary Course.** This course offers students direct experience of the major aspects of contemporary culture in a location abroad. The faculty has structured a variety of field trips to facilitate the investigation of the arts in theatres, museums, galleries, concert halls, and studios and other arts allied spaces. Students will also be able to interview a number of the people who are responsible for the abundance of the arts in the city now.

**FNRT 30903 Art and Music in Hungary.**

**MUSI 10003 Music Theory for Non-Majors.** Rudiments of music including notation, intervals, scales, harmony, and form. Not available to music majors and minors for degree credit.

**MUSI 10010 Wind Symphony.** Wind Symphony.

**MUSI 10020 Percussion Ensemble.** Percussion Ensemble.

**MUSI 10021 Class Guitar.** Elementary techniques of playing and teaching guitar for music education majors.

**MUSI 10030 Choral Union.** Choral Union.

**MUSI 10033 Survey of Jazz and Popular Music.** The study of the evolution of Jazz as an American art form, including the study of American popular music. Not available to music majors and minors for degree credit.

**MUSI 10040 Concert Chorale.** Concert Chorale.

**MUSI 10051 String Instrument Technique I.** Elementary techniques of playing and teaching violin, viola, cello, and bass for music education and composition majors.

**MUSI 10053 Survey of Music.** An introduction to musical ideas and compositions, intended to give an understanding of the major developments in the music of western civilization. Not available to music majors or minors for degree credit.

**MUSI 10053 Survey of Music.** An introduction to musical ideas and compositions, intended to give an understanding of the major developments in the music of western civilization. Not available to music majors or minors for degree credit.

**MUSI 10060 Chamber Singers.** Chamber Singers.

**MUSI 10061 String Technique II.** Prerequisite: MUSI 10051 or demonstrated proficiency on a string instrument as approved by the instructor. Continuation of elementary techniques of playing and teaching violin, viola, cello, and bass for music education and composition majors.

**MUSI 10063 World Music.** The examination of a wide variety of music from diverse cultures and various theories concerning the cultural function of music. Not available to music majors or minors for degree credit.

**MUSI 10063 World Music.** The examination of a wide variety of music from diverse cultures and various theories concerning the cultural function of music. Not available to music majors or minors for degree credit.

**MUSI 10070 Vocal Jazz Ensemble.** Vocal Jazz Ensemble.

**MUSI 10071 Percussion Technique.** Elementary techniques of playing and teaching percussion instruments for



music education majors.

**MUSI 10073 From Rock to Bach.** A survey of current popular and classical musical styles and genres in the United States. Topics include rock, folk, jazz, blues, gospel, country and western, musical theatre, film music, music of and beyond the Americas, and Western European classical music. Emphasis is placed on the sequential development of substantive listening and descriptive skills. Not available to music majors for degree credit.

**MUSI 10080 Chamber Music.** Chamber Music.

**MUSI 10081 Functional Instrumental Technique.** Introduction to string, brass, woodwind and percussion instructional techniques for vocal concentration music education majors.

**MUSI 10083 Introduction to Film Music.** Introduction to Film Music is an overview of the history and aesthetics of the cinematic soundtrack. Through lecture, discussion, reading, and listening, students will examine the evolution of film music, its composers and their musical styles. Students will also learn about the different elements of music and how the film composer uses them to support and enhance the film narrative.

**MUSI 10090 Woodwind Ensemble.** Woodwind Ensemble.

**MUSI 10100 Opera Studio.** Opera Studio.

**MUSI 10110 Marching Band.** Marching Band.

**MUSI 10120 Symphony Orchestra.** Symphony Orchestra.

**MUSI 10130 Women's Choir.** Prerequisite: Audition or permission of instructor. The TCU Women's Choir is an ensemble dedicated to performance of quality treble repertoire. Majors and non-majors are encouraged to participate. The ensemble performs a minimum of two concerts per semester.

**MUSI 10140 Men's Choir.** Prerequisite: audition or permission of instructor. The TCU Men's Choir is an ensemble dedicated to performance of quality male repertoire. Majors and non-majors are encouraged to participate. The ensemble performs a minimum of two concerts per semester.

**MUSI 10150 New Music Ensemble.** The ensemble performs mixed chamber music primarily composed during the past 25 years.

**MUSI 10160 Brass Ensemble.** Brass Ensemble.

**MUSI 10170 Piano Accompanying.** Piano Accompanying.

**MUSI 10171 Diction for Singers.** Introduction to the International Phonetic Alphabet and its application to the study of Liturgical Latin, Italian, and English lyric diction.

**MUSI 10180 Collegium Musicum.** Collegium Musicum.

**MUSI 10181 Diction for Singers.** Prerequisite: MUSI 10171 or permission of instructor. Application of International Phonetic Alphabet to the study of German and French lyric diction.

**MUSI 10190 Jazz Ensemble.** Jazz Ensemble.

**MUSI 10191 Jazz Improvisation.** A study of the techniques of jazz improvisation through performance. May be repeated for maximum of 4 hours credit.

**MUSI 10201 Elementary Ear Training.** Melodic, harmonic, and rhythmic dictation; sight-singing.

**MUSI 10203 Elementary Theory.** Musical notation and definitions, intervals, scales and keys. Emphasis on writing four-voice exercises in major and minor keys using triads and dominant sevenths. Harmonic analysis. Keyboard harmony.

**MUSI 10210 Symphonic Band.** Symphonic Band.

**MUSI 10211 Elementary Ear Training.** Prerequisite: MUSI 10201. Continuation of MUSI 10201.

**MUSI 10213 Elementary Theory.** Prerequisite: MUSI 10203. Continuation of MUSI 10203, including study of suspensions and other non-chord tones, the remaining diatonic seventh chords and secondary functions. Harmonic analysis, as well as study of cadences, phrases and periods. Keyboard harmony.

**MUSI 10220 Concert Band.** The Concert Band provides students from all academic disciplines with a creative and positive music-making environment with a limited rehearsal schedule. A wide range of musical styles is offered, and opportunities are provided for music majors to develop on their secondary instruments.

**MUSI 10223 Basic Music.** Fundamentals of music performance, composition and listening. Appropriate for elementary education majors. Not open to music majors and minors.

**MUSI 10271 Piano Accompanying I.** Practical, comprehensive introduction to all aspects of accompanying a wide variety of vocal and instrumental music. Main topics include development of sight reading and ensemble skills, techniques for rehearsing and working with others in performance, and general concepts of the philosophy of performance.

**MUSI 10281 Piano Accompanying II.** Prerequisite: MUSI 10271. Continuation of MUSI 10271.

**MUSI 10350 TCU Cello Ensemble.** Study and performance of music for cello ensemble

**MUSI 10433 Freshman Seminar in Music.** Topics may vary each time it is offered.

**MUSI 10511 Introduction to Music Education.** This course is an introduction to a variety of facets of music teaching and pedagogy through observation, reading and discovery experiences. Students will become acquainted with elements of learning and teaching. Micro-teaching experiences will be provided.

**MUSI 11000 Recital/Concert Attendance.** Music majors are required to attend a minimum of 15 concerts and recitals each semester, with the exception of the student-teaching semester for BM ed. students. Six (6) of these concerts must be from the weekly School of Music Recital Hour Series. The remainder may be chosen from faculty and guest artist recitals, TCU and guest ensemble concerts, and student recitals. Students will submit original printed concert programs signed by a TCU School of Music faculty member in attendance. This course activity is an important element in the development of critical listening skills.

**MUSI 11030 Class Piano.** Beginning piano for non-keyboard music majors who are preparing to pass the basic piano requirement.

**MUSI 11040 Class Piano.** Prerequisite: MUSI 11030. Continuation of MUSI 11030.

**MUSI 20051 Class Voice.** Class instruction designed to train students in vocal technique and literature.

**MUSI 20071 Functional Piano.** Prerequisite: Keyboard, Piano Pedagogy and MUED piano concentration majors only; MUSI 10201, 10203, 10211, 10213 and two semesters 20201. Functional keyboard skills for keyboard majors, including transposition, harmonization, score-reduction, improvisation

**MUSI 20081 Functional Piano.** Prerequisite: MUSI 20071. Continuation of MUSI 20071.

**MUSI 20082 Piano Chamber Music Performance I.** Prerequisite: Sophomore standing in music or permission of instructor. Intensive study of selected works of chamber music with piano. Emphasis on developing the musical and interactive skills needed for chamber music through rehearsal and performance. Weekly coaching with faculty.

**MUSI 20182 Piano Chamber Music Performance II.** Prerequisite: MUSI 20082 or permission of instructor.

**MUSI 20201 Advanced Ear Training.** Prerequisite: MUSI 10211. Increasingly difficult melodic and rhythmic dictation. Harmonic dictation including seventh chords and modulations. Sight-singing of single line, two-voice, and four-voice music.

**MUSI 20203 Advanced Theory.** Prerequisite: MUSI 10213. Modulatory techniques, simple binary and ternary forms, modal mixture, and chromatic chords. Harmonic analysis and compositional exercises. Keyboard harmony.

**MUSI 20211 Advanced Ear Training.** Prerequisite: MUSI 20201. Continuation of MUSI 20201.

**MUSI 20212 Piano Repertoire and Performance I.** Prerequisite: Sophomore standing in music or permission of instructor. A workshop class for pianists in which selected works of the piano literature are performed, analyzed and discussed. Special focus is on the etude and its development. Class members perform assigned works and present individual reports on topics relating to the music.

**MUSI 20213 Advanced Theory.** Prerequisite: MUSI 20203. Continuation of MUSI 20203, including tonal harmony in the late 19th century and an introduction to 20th century practice. Harmonic analysis and compositional exercises. Keyboard harmony.

**MUSI 20311 Field Experience in Music.** Observation of and interaction with music students of elementary and middle school age and study of the characteristics of successful teachers.

**MUSI 20412 Composition I.** Prerequisite: MUSI 10203, 10213 and declared major or minor in theory/composition. Beginning compositional exercises in tonal genres with emphasis on basic chromatic usage in short keyboard, vocal, and rondo forms.

**MUSI 20422 Composition II.** Prerequisite: MUSI 20203 and declared major or minor in theory/composition. Continuation of MUSI 20412. Compositional exercises in tonal genres with emphasis on advanced chromatic usage in short keyboard and vocal forms as well as in small chamber ensembles.

**MUSI 20511 Analytical Listening for Vocal Conductors.** Auditory skills course for choral music education majors. Skills: analysis of vocal tone quality, detection of discrepancies in pitch and rhythm, analysis and solutions of problems in intonation, blend, and balance. Lab required.

**MUSI 20512 Introduction to Conducting.** Prerequisite: Sophomore standing, music major or permission of instructor. Conducting patterns, preparation, cues, release, and technical and expressive movements applicable to vocal and instrumental conductors.

**MUSI 20611 Marching Band Techniques and Design.** Marching band methods, techniques, and design tools will be presented in a lecture format. Each student will be given opportunity to teach and learn techniques that are presented as well as practice computer assisted design.

**MUSI 20613 History of Music: Ancient, Medieval, Renaissance.** Prerequisite: Sophomore standing in music or permission of instructor. Development of significant styles to about 1600; contributions of outstanding composers, with emphasis on cultural and historical background.

**MUSI 21030 Class Piano.** Prerequisite: MUSI 11040. Continuation of MUSI 11040.

**MUSI 21040 Class Piano.** Prerequisite: MUSI 21030. Continuation of MUSI 21030.

**MUSI 21081 Collaborative Piano.** Prerequisite: Enrollment in the Artist Diploma Program. Study and performance of advanced repertoire for the collaborative pianist, including accompaniment and chamber music. Emphasis on developing the musical and interactive skills needed for collaborative playing through rehearsal, coaching, and performance.

**MUSI 30003 History of Music (Honors).** History of Music (Honors)

**MUSI 30052 Beginning Piano Pedagogy.** Prerequisite: Junior standing in music and in piano. Introduction to methods, materials and techniques employed in the teaching of beginning piano students. Establishing and managing a piano studio public relations, equipment and layout, professional memberships, budget and tax information, studio policy and teacher-student-parent roles. Lecture and observation.

**MUSI 30062 Intermediate Piano Pedagogy.** Prerequisite: MUSI 30052. Examines materials for the intermediate piano student method books, standard piano repertoire, theory and technique, jazz and ensemble works. Also focuses on practice motivation, recital preparation, and auditions, festivals and contests. Also deals with teaching preschool and adult beginners. Lecture and observation.

**MUSI 30151 Woodwind Technique I.** Elementary techniques of playing and teaching clarinet for music education majors.

**MUSI 30161 Brass Technique I.** Elementary techniques of playing and teaching trumpet for music education majors.

**MUSI 30171 Woodwind Technique II.** Prerequisite: MUSI 30151 or clarinet proficiency. Elementary techniques of playing and teaching woodwind instruments for music education majors.

**MUSI 30181 Brass Technique II.** Prerequisite: MUSI 30161 or trumpet proficiency. Elementary techniques of playing and teaching brass instruments for music education majors.

**MUSI 30202 Form and Analysis.** Prerequisites: MUSI 20211, 20213. Structural analysis of simple and compound part forms, rondo, sonata and fugue. Emphasis on the standard designs found in instrumental music from Bach on.

**MUSI 30222 Modal Counterpoint.** Prerequisite: MUSI 20213. Counterpoint in the style of the 16th century including ecclesiastical modes, melodic structure, two-part exercises, three-part textures, cadences, paraphrase technique and canon.

**MUSI 30232 Counterpoint.** Prerequisite: MUSI 20213. Counterpoint in the style of the 18th century including melodic structure, two-part texture, chromaticism, invertible counterpoint, two-part invention, three-part texture, imitation, three-part invention, the trio sonata, fugue, chorale and contrapuntal variation forms.

**MUSI 30312 Orchestration.** Prerequisites: MUSI 20211, 20213. Practical consideration of techniques, capabilities and effective uses of orchestral and band instruments in various combinations. Arranging and scoring.

**MUSI 30313 Elementary Music.** Vocal and instrumental expression, rhythmic activities, critical listening, creative experience, and music reading. Course appropriate for pedagogy students.

**MUSI 30322 Orchestration.** Prerequisite: MUSI 30312. Continuation of MUSI 30312.

**MUSI 30332 Marching Band Arranging.** Prerequisites: MUSI 20203/20213, 30312, or permission of instructor. Study in technique of scoring for the contemporary marching band.

**MUSI 30342 Jazz Arranging.** Prerequisites: MUSI 20203/ 20213, 30312, or permission of instructor. Study in technique of scoring for the modern jazz orchestra.

**MUSI 30343 Electro-Acoustic Music.** Prerequisite: MUSI 20211, 20213 and/or permission of instructor. An investigation of basic acoustic and electronic principles, psycho-acoustics, function and operation of basic electronic music studio equipment filters, microphones, tape recorders, synthesizers, mixers and MIDI devices with an introduction to synthesis techniques utilizing synthesizers and computers.

**MUSI 30420 Composition.** Prerequisite: MUSI 20412 or permission of instructor. Advanced private study in composition. Primarily intended for composition majors. 1-10 semester hours.

**MUSI 30512 Choral Conducting.** Prerequisite: MUSI 20512. Technique of the baton, score reading, tone production, rehearsal routines, vocal materials, organization problems, supervised practice in conducting chorus. Meets choral conducting requirements for secondary school teachers.

**MUSI 30522 Instrumental Conducting.** Prerequisite: MUSI 20512. Instrumental conducting technique, score reading and analysis, supervised practice conducting ensembles. Meets instrumental conducting requirements for secondary school teachers. Lab required.

**MUSI 30613 History of Music: Baroque and Classic.** Prerequisite: MUSI 20613 or permission of instructor. Continuation of 20613, covering developments from G. Gabrieli through Beethoven.

**MUSI 30613 History of Music: Baroque and Classic.** Prerequisite: MUSI 20613 or permission of instructor. Continuation of 20613, covering developments from G. Gabrieli through Beethoven.

**MUSI 30623 History of Music: Romantic and Twentieth Century.** Prerequisite: MUSI 30613. Continuation of MUSI 30613, covering developments from Schubert to the present time.

**MUSI 30623 History of Music: Romantic and Twentieth Century.** Prerequisite: MUSI 30613. Continuation of MUSI 30613, covering developments from Schubert to the present time.

**MUSI 30713 Service Playing and Repertory.** Prerequisite: Permission of instructor. Organ and choral works in the church music program. Practical performance of anthems, motets, small cantatas. Modulation and transposition. Sacred wedding music. Accompanying and sight reading. Directing from the console.

**MUSI 30723 Hymnology.** Prerequisite: Permission of the instructor. The history of the congregational song from the Old Testament to the present. Emphasis on understanding the historical development with practical application for worship in the decade of the 1990s. No musical training is necessary for non-music majors.

**MUSI 30812 Instrumental Organization and Administration.** Prerequisite: Junior standing. Development and administration of instrumental music organizations in the secondary school with emphasis on musical aptitudes, teaching comprehensive musicianship, rehearsal techniques and administration of the beginning middle school band and marching band. Lab required.

**MUSI 30822 Instrumental Organization and Administration.** Prerequisite: MUSI 30812. Development and administration of instrumental music organizations in the secondary school with emphasis on administration, advanced band, orchestra and jazz band. Lab required.

**MUSI 30912 Choral Organization and Administration.** Prerequisite: Junior standing. Study of secondary choral curriculum. Includes vocal and choral techniques, audiation, music reading, choral literature, style and history related to choral music, planning and appraisal and information about UIL and other realities of secondary teaching. Lab required.

**MUSI 30922 Choral Organization and Administration.** See course under Music Education.

**MUSI 30970 Directed Study in Music.** Prerequisite: Permission of instructor. Specialized work in student's area of concentration. 1-6 Hours

**MUSI 40003 Senior Honors Research Project.** Prerequisites: Senior standing and MUSI 30613, 30623 Honors. Under the guidance of a faculty committee, the student will present an Honors Project, e.g., Lecture/Recital, Composition, Research Paper.

**MUSI 40033 Instrumental Performance Pedagogy.** Prerequisite: Junior or senior standing as an instrumental performance major. The study and analysis of teaching music literature; teaching concepts and the practical application of these concepts; the comparisons of the schools of performance/teaching methods.

**MUSI 40052 Group Piano Pedagogy.** Prerequisites: Senior standing in music and piano; MUSI 30052, 30062. Explores group piano instruction at all levels pre-K through grade 12, adult non-credit, college non-music majors and music majors. Texts, supplementary materials, electronic instruments; teaching techniques and group dynamics. Lecture, observation and supervised teaching.

**MUSI 40062 Piano Teaching Internship.** Prerequisites: MUSI 40052. Each student will teach two piano pupils for the semester, culminating in an evaluation and recital. Weekly classes serve as a forum for discussion of problems and exchange of ideas, as well as the examination of current trends and research in piano pedagogy. Lecture, observation and supervised teaching.

**MUSI 40063 Voice Pedagogy.** Prerequisite: Upper division standing in vocal performance or vocal concentration. Methods and materials for teaching voice. Lecture, demonstration and observation.

**MUSI 40212 Piano Repertoire and Performance II.** Prerequisite: Senior standing in music or permission of instructor. A workshop class for pianists in which the piano works of a major composer are performed, analyzed and discussed. Class members perform assigned works and present individual reports on topics relating to the music.

**MUSI 50053 Introduction to Voice Pedagogy.** Prerequisite: Appropriate undergraduate degree in Music or Music Education or permission of instructor. Introduction to science, methods, and materials of voice pedagogy. Acoustics, breathing, attack, registration, resonance, vowels, articulation, and coordination of singing.

**MUSI 50063 Comparative Voice Pedagogy.** Prerequisite: MUSI 50053 or equivalent and permission of instructor. Comparisons of research results and concepts of voice pedagogy across national styles, bel canto treatises, 19th century sources, contemporary methods, and artist statements. Students are encouraged to develop their own practical studio procedures in harmony with the common ideals of Western artistic voice culture.

**MUSI 50203 Musical Structure and Style.** Study of musical style and structure through the analysis of music; organized chronologically from 1750 to the present.

**MUSI 50212 Choral Conducting.** Prerequisites: Senior or graduate standing, MUSI 30512 or 30522, keyboard facility or permission of instructor. Materials and techniques for the experienced choral director.

**MUSI 50222 Instrumental Conducting.** Prerequisite: MUSI 30522; keyboard facility; or permission of instructor. Baton technique and its application to selected works of symphonic and operatic literature.

**MUSI 50303 History of Sacred Music.** Prerequisite: Junior or Senior standing or permission of instructor. A historical survey of sacred music from ancient times to the twentieth century.

**MUSI 50403 Symphonic Literature.** Prerequisite: Senior or graduate standing. Selected works for orchestra and band, illustrating development of the symphony.

**MUSI 50413 Operatic Literature.** Prerequisite: Graduate standing or approved seniors with Music 30613, 30623. Operatic masterpieces from 1600 to the present with emphasis on selected works of Mozart, Verdi, Wagner, Puccini, Britten and others.

**MUSI 50423 Choral Literature.** Prerequisite: Graduate standing or approved seniors with Music 30613, 30623. The various forms in the field of choral literature with detailed examination of representative works.

**MUSI 50433 Keyboard Music.** Prerequisite: Senior or graduate standing. History of development of organ from earliest evidence, harpsichord, clavichord, forte-piano, the piano as well as development of music for these instruments. Keyboard forms and styles with emphasis on earliest developments.

**MUSI 50443 Ethnomusicology.** Prerequisite: Senior or graduate standing. The study of various theories concerning the cultural function of music, exposure to the analytical methods of ethnomusicologists, and the examination of examples from diverse musical cultures.

**MUSI 50453 Music Criticism.** Prerequisite: Senior or graduate standing. Study of selected writings on music criticism and aesthetics from antiquity to the present.

**MUSI 50463 Music in the Twentieth Century.** Prerequisite: Senior or graduate standing. Study of the main trends from the time of Ravel to the present.

**MUSI 50473 Song Literature.** Prerequisite: Senior or graduate standing. An examination of the repertoire for solo voice from 1750 to the present, with emphasis on the works of German,

**MUSI 50483 Chamber Music Literature.** Prerequisite: Graduate standing or approved seniors with Music 30613, 30623. Consent of instructor. The study of the development of chamber music from its beginnings to the present.

**MUSI 50493 Music in the United States.** Prerequisite: Senior or graduate standing in music. An examination of both cultivated and vernacular music in the United States from the Colonial Era to the present.

**MUSI 50503 History of Sacred Music.** Prerequisites: Senior or graduate standing or permission of instructor. An historical survey of sacred music from ancient times to the twentieth century.

**MUSI 50523 Linear Analysis.** Prerequisite: Graduate standing or approved seniors. Development of structural learning through graphic analysis. Readings on Schenkerian concepts as applied to tonal music.

**MUSI 50970 Special Problems.** Prerequisite: Permission of instructor. Specialized work in student's area of concentration. 1-6 hours.

**MUSI 51081 Collaborative Piano.** Prerequisites: Acceptance to Artist Diploma Program, baccalaureate degree. Collaborative Piano course for the Artist Diploma Program in the School of Music.

**MUSP 20110 Voice.** Voice

**MUSP 20210 Piano.** Piano

**MUSP 20220 Organ.** Organ

**MUSP 20230 Jazz Piano.** Jazz Piano

**MUSP 20240 Harpsichord.** Harpsichord

**MUSP 20310 Violin.** Violin

**MUSP 20320 Viola.** Viola

**MUSP 20330 Violoncello.** Violoncello

**MUSP 20340 Double Bass.** Double Bass

**MUSP 20350 Viola da Gamba.** Viola da Gamba

**MUSP 20360 Jazz Bass.** Jazz Bass

**MUSP 20410 Flute.** Flute

**MUSP 20420 Oboe.** Oboe

**MUSP 20430 Clarinet.** Clarinet

**MUSP 20440 Saxophone.** Saxophone

**MUSP 20450 Bassoon.** Bassoon

**MUSP 20510 French Horn.** French Horn

**MUSP 20520 Trumpet.** Trumpet

**MUSP 20530 Trombone.** Trombone

**MUSP 20550 Tuba.** Tuba

**MUSP 20560 Euphonium.** Euphonium

**MUSP 20610 Percussion.** Percussion

**MUSP 20620 Jazz Drumset.** Jazz Drumset

**MUSP 20710 Harp.** Harp

**MUSP 20810 Guitar.** Guitar

**MUSP 20910 Jazz Guitar.** Jazz Guitar

**MUSP 21100 Secondary Voice.** Secondary Voice. (for 1 or 2 hours credit.)

**MUSP 30991 Recital I.** Recital I

**MUSP 40110 Voice.** Voice

**MUSP 40210 Piano.** Piano

**MUSP 40220 Organ.** Organ

**MUSP 40230 Jazz Piano.** Jazz Piano

**MUSP 40240 Harpsichord.** Harpsichord

**MUSP 40310 Violin.** Violin

**MUSP 40320 Viola.** Viola

**MUSP 40330 Violoncello.** Violoncello

**MUSP 40340 Double Bass.** Double Bass

**MUSP 40350 Viola da Gamba.** Viola da Gamba

**MUSP 40360 Jazz Bass.** Jazz Bass

**MUSP 40410 Flute.** Flute

**MUSP 40420 Oboe.** Oboe

**MUSP 40430 Clarinet.** Clarinet

**MUSP 40440 Saxophone.** Saxophone

**MUSP 40450 Bassoon.** Bassoon

**MUSP 40510 French Horn.** French Horn

**MUSP 40520 Trumpet.** Trumpet

**MUSP 40530 Trombone.** Trombone

**MUSP 40550 Tuba.** Tuba

**MUSP 40560 Euphonium.** Euphonium

**MUSP 40610 Percussion.** Percussion

**MUSP 40620 Jazz Drumset.** Jazz Drumset

**MUSP 40710 Harp.** Harp

**MUSP 40810 Guitar.** Guitar

**MUSP 40910 Jazz Guitar.** Jazz Guitar

**MUSP 40971 Piano Recital.** Piano Recital

**MUSP 40981 Piano Recital.** Piano Recital

**MUSP 40991 Recital II.** Recital II

**MUSP 50210 Artist Diploma Piano Lessons.** Prerequisites: Acceptance to Artist Diploma program, baccalaureate degree.

**MUSP 50961 Artist Diploma Recital I.** Prerequisites: Acceptance to Artist Diploma Program, baccalaureate degree. First recital in a sequence of four required for the Artist Diploma program in the School of Music.

**MUSP 50971 Artist Diploma Recital II.** Prerequisites: Acceptance to Artist Diploma Program, baccalaureate degree. Second recital in a sequence of four required for the Artist Diploma program in the School of Music.

**MUSP 50981 Artist Diploma Recital III.** Prerequisites: MUSP 50971. Third recital in a sequence of four required for the Artist Diploma program in the School of Music.

**MUSP 50991 Artist Diploma Recital IV.** Prerequisites: MUSP 50971. Fourth recital in a sequence of four required for the Artist Diploma program in the School of Music.

## Art and Art History

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[B.F.A. Degree - Major in Studio Art \(Ceramics, Painting, Photography, Printmaking, or Sculpture\)](#)

[B.F.A. Degree with a Major in Graphic Design](#)

[B.F.A. Degree with a Major in Art Education](#)

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### (ART)

Available on the Bachelor of Fine Arts degree with a major in Studio Art, Art Education and Graphic Design.

Available on the Bachelor of Arts degree with a major in Art History.

All art courses taken in the major or minor sequences must be passed with a grade of "C" or better to fulfill graduation requirements.

Bachelor of Fine Arts. The B.F.A. degree is available in Studio Art with concentration in Ceramics, Painting, Photography, Printmaking, or Sculpture; Graphic Design; and Art Education. A minimum of 60 semester hours in Art is required except for Art Education majors who must complete a minimum of 54 hours of Art. The various degree plans are outlined below.

### **B.F.A. Degree - Major in Studio Art (Ceramics, Painting, Photography, Printmaking, or Sculpture)**

#### **UNIVERSITY REQUIREMENTS:**

**Undergraduate degree (124 hr. Minimum)**

**Upper-level coursework taken at TCU (42 hr. Minimum)**

**TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

#### **ART REQUIREMENTS:**

##### **Studio Courses (30 hrs.)**

ART 10103 Drawing I

ART 10113 Drawing II

ART 10123 Design & Color

ART 10133 3-D Design

ART 20100 Life Studies

ART 20143 Painting

ART 20163 Printmaking or

ART 20173 Printmaking or

ART 20183 Printmaking

ART 20213 Ceramics

ART 20243 Sculpture

ART 20743 Photography

##### **Professional Development (3 hrs.)**

ART 30903 Seminar in Art Professions

##### **Art History (15 hrs.)**

ART 10043

--In addition to the art survey course, ART 10043, it is recommended that all studio art majors take one pre-modern, one non-western, and two modern/contemporary art history courses.

##### **Studio Area Concentration (21 hrs.)**

##### **Senior Exhibition (3 hrs.)**

ART 40993

##### **Art Elective (6 hrs.)**

##### **General Electives (to = 124 hrs.)**

### **B.F.A. Degree with a Major in Graphic Design**

#### **UNIVERSITY REQUIREMENTS:**

**Undergraduate degree (124 hr. Minimum)**

**Upper-level coursework taken at TCU (42 hr. Minimum)**

**TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

#### **ART REQUIREMENTS:**

##### **Studio Courses (21 hrs.)**

ART 10103 Drawing I

ART 10113 Drawing II

ART 10123 Design & Color  
 ART 10133 3-D Design  
 ART 10143 Introduction to Visual Communication  
 ART 20743 Photography  
 ART 30753 Photographic Illustration

**Art History (9 hrs.)**

ART 10043 Introduction to Art History  
 ART 30000-Level Art History Elective  
 ART 20833 History of Visual Communication

**Graphic Design Concentration (42 hrs.)**

ART 20323 Typography I  
 ART 20333 Typography II  
 ART 20453 Intro to Computer Graphics  
 ART 30323 Typography III  
 ART 30400 Illustration  
 ART 30423 Publication Design  
 ART 30433 Package Design  
 ART 30443 Corporate Identity  
 ART 30453 Computer Applications to Graphic Design  
 ART 30473 Advanced Computer Applications to Graphic Design  
 ART 30523 Advertising Design  
 ART 40143 Senior Thesis in Visual Communication  
 ART 40410 Graphic Design Internship  
 ART 40413 Portfolio & Marketing

**Studio Elective (3 hrs.)**

**General Electives (to = 124 hrs.)**

**B.F.A. Degree with a Major in Art Education**

**UNIVERSITY REQUIREMENTS:**

**Undergraduate degree (124 hr. Minimum)**

**Upper-level coursework taken at TCU (42 hr. Minimum)**

**TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**ART REQUIREMENTS:**

**Studio Courses (33 hrs.)**

ART 10103 Drawing I  
 ART 10113 Drawing II  
 ART 10123 Design & Color  
 ART 10133 3-D Design  
 ART 20143 Painting  
 ART 20163 Printmaking or  
 ART 20173 Printmaking or  
 ART 20183 Printmaking  
 ART 20213 Ceramics  
 ART 20743 Photography  
 ART 30013 Approached to Studio Art

**Art Education Courses (9 hrs.)**

ART 10803  
 ART 30803  
 ART 40903

**Art History (9 hrs.)**

ART 10043  
 ART 20000-level  
 ART 30000-level or above

**Upper-level Art Electives (10 hrs.)**

**EDUCATION REQUIREMENTS:**

**Communication Studies (3 hrs.)**

Required for Admission to the School of Education  
 --Choose from COMM 10123, COMM 20103, and COMM 20133

**ED Psych/Development (6 hrs.)**

EDUC 30123  
 EDUC 30143

**Education Certification (13 hrs.)**

EDSE 30013  
 EDSP 30603  
 EDSE 40213  
 EDSE 50023  
 EDSE 30001

**Student Teaching (6 hrs.)**

EDSE 40980  
 EDSE 40990

-- EDUC 40966 may be used to fulfill this requirement

**Bachelor of Arts in Art History**

A major or a minor in Art History may be taken on the B.A. degree. The Art History program provides a broad undergraduate foundation in the humanities and the preparation necessary for professional careers in art. Potential careers open to Art History majors include teaching, research, art administration, art writing/criticism and museum



and gallery professions.

## **BA - Art History**

### **UNIVERSITY REQUIREMENTS:**

**Undergraduate degree (124 hr. Minimum)**

**Upper-level coursework taken at TCU (42 hr. Minimum)**

**TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**Minor (18 hr. Minimum)**

### **ART REQUIREMENTS:**

#### **Art History (27 hrs.)**

--Majors are expected to enroll in a broad range of courses including both pre-modern (pre-1800) and post-modern (post-1800)

ART 10043

ART 20000-level

ART 30000-level or above (minimum 12 hrs. required)

#### **Studio Courses (6 hrs.)**

--Choose from:

ART 10103 Drawing I

ART 10113 Drawing II

ART 10123 Design & Color

ART 10133 3-D Design or

Any other approved Art coursework

#### **Foreign Language**

-- 6 hours or demonstrated proficiency at the second-semester, sophomore level are required. See Modern Language Major catalog listing for additional information.

--Students planning to continue work at the graduate level should develop a proficiency in a second language; German, French, Italian, or Spanish are recommended.

**General Electives (to = 124 hrs.)**

### **Minors in Art & Art History**

#### **Art**

#### **ART REQUIREMENTS: 18 hrs.**

--Minimum of 6 hrs. upper-level coursework

#### **Art History (3 hrs.)**

ART 10043 or

Any 20000-level Art History course

#### **Art Electives (15 hrs.)**

--Any approved Art courses

#### **Art History**

#### **ART REQUIREMENTS: 21 hrs.**

#### **Art History (6 hrs.)**

ART 10043

Any 20000-level Art History course

#### **Art Electives (15 hrs.)**

-- Art History courses as approved by advisor

### **Art - Seeking Teacher Certification**

#### **ART REQUIREMENTS: 24 hrs.**

--Minimum of 12 hrs. upper-level coursework

#### **Art History (6 hrs.)**

ART 10043

Any 20000-level Art History course

#### **Art Courses (18 hrs.)**

ART 20143 or 30140 (Painting)

ART 20100 or 30100 (Life Studies)

ART 30013 (Approaches to Studio Art)

ART 40803 (Secondary Art)

--Choose remaining 6 hrs. from:

ART 20213

ART 20163

ART 20173

ART 20183

ART 20243

ART 20743

### **Minor in Arts Administration**

An optional minor in Arts Administration is offered under the [College of Fine Arts](#).

### **Departmental Requirements**

A minimum 2.5 cumulative GPA in art is a required prerequisite to junior and senior level studio art, graphic design and art education courses. After entrance into upper division courses, a minimum 2.5 GPA must be maintained as a prerequisite to further advanced enrollment. An annual qualifying portfolio review is required for all students wishing to continue in the Graphic Design program, whether they are Graphic Design majors or not; the student may be required to repeat courses or be removed from the Graphic Design program.

### **Field Trips**

Field trips may be required by instructors as a part of the content of any course. Every effort will be made to ensure that these trips do not conflict with other portions of the student's schedule.

### **Honors Program**

Art and Art History majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in ART 30003 during their junior year and ART 40003 during the fall semester of their senior year.

### **Transfer Students**

Transfer students must have a 2.5 minimum GPA in art and must present a portfolio or photographs or slides of their work for evaluation by the Art Department at least one week prior to registration or at time of advisement in order to determine level of competency.

### **Declaration of a Major**

The department requires students to declare a major during or before the second semester of their sophomore year. Students majoring in Studio Art must also declare a concentration in Painting, Photography, Printmaking, or Sculpture. Students planning to major in Studio Art or Art Education must submit a portfolio of work to department faculty. A portfolio that meets with faculty approval is required before permission will be given to register in upper division classes. Students who do not meet departmental standards may enroll for Art 20970, Intermediate Studio, for up to 6 semester hours of credit to improve both grade point average and portfolio before making another submission to the faculty. Once a concentration is declared, a faculty adviser from that area will be assigned, and a sequence of courses to be taken will be formulated.

### **Student Exhibitions**

Both graduate and undergraduate student exhibitions take place at various times during the year in the University Art Gallery-TCU. No work may be removed from exhibitions without departmental approval. Students must claim their work at the end of each exhibition. The Department cannot accept responsibility for the care, storage, or distribution of student work.

### **Suggested Courses for the Freshman Year**

#### **STUDIO ART MAJORS**

*FALL (15 hrs.)*

#### **TCU Core Curriculum (6 hrs.)**

Written Communication (WCO)  
Natural Sciences (NCS)

#### **Art Courses (6 hrs.)**

ART 10103 (Drawing)  
ART 10123 or ART 10133 (Design)

#### **Art History Course (3)**

ART 10043

*SPRING (15 hrs.)*

#### **TCU Core Curriculum (6 hrs.)**

Religious Traditions (RT)  
Natural Sciences (NCS)

#### **Art Courses (6 hrs.)**

ART 10113 (Drawing)  
ART 10123 or ART 10133 (Design)

#### **Art History Course (3 hrs.)**

Any 20000-level Art History class

#### **GRAPHIC DESIGN MAJORS**

*FALL (15 hrs.)*

#### **TCU Core Curriculum (6 hrs.)**

Written Communication (WCO)  
Natural Sciences (NCS)

#### **Art Courses (6 hrs.)**

ART 10103 (Drawing)  
ART 10123 or ART 10133 (Design)

#### **Art History Course (3)**

ART 10043

*SPRING (15 hrs.)*

#### **TCU Core Curriculum (6 hrs.)**

Religious Traditions (RT)  
Natural Sciences (NCS)

#### **Art Courses (6 hrs.)**

ART 10113 (Drawing)  
 ART 10123 or ART 10133 (Design)  
**Art History Course (3 hrs.)**  
 Any 20000-level Art History class

### **ART EDUCATION MAJORS**

*FALL (15 hrs.)*

#### **TCU Core Curriculum (9 hrs.)**

Written Communication (WCO)  
 Historical Traditions (HT)  
 Natural Sciences (NCS)

#### **Art Courses (6 hrs.)**

ART 10103 (Drawing)  
 ART 10123 (Design)

#### **Art History Course (3)**

ART 10043

*SPRING (15 hrs.)*

#### **TCU Core Curriculum (9 hrs.)**

Religious Traditions (RT)  
 Humanities (HUM)  
 Natural Sciences (NCS)

#### **Art Courses (6 hrs.)**

ART 10113 (Drawing)  
 ART 10133 (3-D Design)

### **\*\*NOTE**

*ART 10043 replaces ART 10053 and ART 10063. ART 10043 is the prerequisite for any course that requires one or both of those courses.*

### **Course Categories**

#### **Studio Art**

ART 10103 Drawing I.  
 ART 10113 Drawing II.  
 ART 10123 Design and Color.  
 ART 10133 Three Dimensional Design.  
 ART 20100 Life Studies.  
 ART 20143 Painting.  
 ART 20163 Printmaking (Etching).  
 ART 20173 Printmaking (Lithography).  
 ART 20183 Printmaking (Screenprinting).  
 ART 20213 Ceramics.  
 ART 20243 Sculpture.  
 ART 20743 Photography.  
 ART 20970 Intermediate Studio.  
 ART 30003 Junior Honors Seminar.  
 ART 30100 Life Studies.  
 ART 30140 Painting.  
 ART 30150 Artists' Books.  
 ART 30160 Printmaking (Etching).  
 ART 30170 Adv Printmaking (Lithography).  
 ART 30180 Advanced Printmaking (Screenprinting).  
 ART 30210 Ceramics.  
 ART 30220 Ceramic Sculpture.  
 ART 30240 Advanced Sculpture.  
 ART 30710 Color Photography.  
 ART 30720 Landscape Photography.  
 ART 30730 Zone System Photography.  
 ART 30743 The Photographic Portrait.  
 ART 30753 Photographic Illustration.  
 ART 40003 Senior Honors Research.  
 ART 40970 Special Problems.  
 ART 40991 Senior Exhibition. Critical Studies  
 ART 30903 Seminar in Art Professions.

#### **Graphic Design**

ART 20323 Typography I.  
 ART 20333 Typography II.  
 ART 20403 Introduction to Visual Culture.  
 ART 20453 Introduction to Computer Graphics.  
 ART 20970 Intermediate Studio.  
 ART 30323 Typography III.  
 ART 30400 Illustration.  
 ART 30423 Publication Design.  
 ART 30433 Package Design.  
 ART 30443 Corporate Identity.  
 ART 30453 Computer Applications to Graphic Design.  
 ART 30473 Advanced Computer Applications to Graphic Design.  
 ART 30523 Advertising Design.  
 ART 30533 Advanced Advertising Design.

ART 40300 Problems in Graphic Design.  
 ART 40410 Graphic Design Internship.  
 ART 40412 Portfolio and Market.  
 ART 40970 Special Problems.  
 ART 40991 Senior Exhibition.

### History of Art

ART 10043 Introduction to Art History.  
 ART 20003 Classical Tradition in Art.  
 ART 20013 Egyptian Art.  
 ART 20063 Medieval Art.  
 ART 20073 British Art: Medieval-Modern.  
 ART 20083 American Indian Art.  
 ART 20103 17th and 18th Century European Art.  
 ART 20113 A New World: Survey of American Art.  
 ART 20303 19th and 20th Century Art.  
 ART 20403 Introduction to Visual Culture.  
 ART 20503 Survey Topics in Art History.  
 ART 20603 Art History On Site.  
 ART 20833 History of Visual Communication.  
 ART 30003 Junior Honors Seminar.  
 ART 30073 Modern British Art.  
 ART 30113 American Art to 1913.  
 ART 30123 American Art, 1913 to the Present.  
 ART 30143 Inka and Their Predecessors: Ancient South American Art.  
 ART 30153 The Aztec, Maya, Olmec.  
 ART 30173 Early Italian Renaissance Art.  
 ART 30183 High and Late Italian Renaissance Art.  
 ART 30193 Northern Renaissance Painting: Van Eyck - Bruegel.  
 ART 30203 17th Century Italian and Spanish Art.  
 ART 30213 Drawing as Artistic Invention  
 ART 30333 Modern Art I: Romantic Classicism to Impressionism.  
 ART 30343 Van Gogh to Dali: Modern Art II.  
 ART 30353 Picasso: Artist of the Century.  
 ART 30363 17th Century Flemish-Dutch Painting.  
 ART 30413 Women and the Visual Arts, 1500-1800.  
 ART 30500 Special Topics in Art History.  
 ART 30600 Art Study Abroad.  
 ART 30603 Art Since 1945.  
 ART 30613 Modern Architecture: 1750 to the Present.  
 ART 30623 History of the Print.  
 ART 30633 Art in the Metroplex..  
 ART 30823 History of Photography.  
 ART 30833 History of Graphic Design.  
 ART 40003 Senior Honors Research.  
 ART 40970 Special Problems.  
 ART 40980 Directed Study in Art History.  
 ART 40993 Art Professions Internship.

### Art Education

ART 10803 Basics in Art.  
 ART 20970 Intermediate Studio.  
 ART 30013 Approaches to Studio Art.  
 ART 30803 The Child and Visual Arts.  
 ART 40803 Essentials of Visual Arts.  
 ART 40970 Special Problems.

### Other Courses

ART 10433 Freshman Seminar in Art.  
 ART 10533 Freshman Seminar in Art.  
 FNRT 30900 Fine Art Interdisciplinary Course.  
 FNRT 30903 Art and Music in Hungary.

### Courses of Instruction

**ART 10043 Introduction to Art History.** A survey of the history of visual arts, with emphasis on (but not limited to) art of the Western tradition. Students are introduced to key monuments, artists, artistic styles and movements, and art historical issues of different periods, as well as with significant relationships between art and its historical and societal contexts. The course also exposes students to different art historical skills, approaches, and methodologies.

**ART 10103 Drawing I.** Drawing as a primary art form offers a thorough exploration of the art elements: shape, value, line and texture and the spatial relationship of these art elements. Analytic drawing, perspective drawing as well as expressive approaches are employed. The keeping of a sketchbook is required.

**ART 10113 Drawing II.** Prerequisite: ART 10103. Creative drawing based on visual experience and imagination. Assigned problems and experiments with a wide range of drawing materials, the use of mark-making tools and inventive exploration of media.

**ART 10123 Design and Color.** Study and application of basic principles of creative design.

**ART 10133 Three Dimensional Design.** Emphasis on use of three dimensional media, exploration of materials and introduction to some of the most widely used technical processes relative to contemporary 3-D artists.

**ART 10143 Introduction to Visual Communication.** An introduction to and overview of Visual Communication

as a career track in the applied arts and communication professions.

**ART 10433 Freshman Seminar in Art.** Topics may vary each time it is offered.

**ART 10533 Freshman Seminar in Art.** Topics may vary each time it is offered.

**ART 10803 Basics in Art.** Basic experiments with variety of materials and techniques for the elementary classroom. Fundamental aesthetic and expressive characteristics of visual arts. (6 hours per week; studio art supplies required).

**ART 20003 Classical Tradition in Art.** Focusing on the visual arts of ancient Greece and Rome, this course surveys the impact, importance and influence of classicism on art from Antiquity to Postmodernism.

**ART 20013 Egyptian Art.** A survey of Egyptian art and architecture from the Pre-Dynastic period through the Roman Domination.

**ART 20063 Medieval Art.** A survey of major Medieval works - architecture, painting, sculpture, religious objects, and illuminated manuscripts - dating from the 3rd century through the 14th century.

**ART 20073 British Art: Medieval-Modern.** A survey of British Art from the Middle Ages through the Modern era.

**ART 20083 American Indian Art.** This course surveys the indigenous arts and architecture of the three major culture areas of the New World: the Pre-Columbian archaeological traditions of the central Andes (primarily Peru) and Mesoamerica (primarily Mexico and Guatemala) as well as both archaeological and historic traditions of North America. Among the cultures discussed are the Inka, Aztec, Maya, Hopi, Lakota, and Tlingit. All major media are covered.

**ART 20093 Art of Mexico from 1500 to the Present.** This course offers a broad overview of the art of Mexico beginning with the joining of Aztec and Spanish traditions in the colonial period, through the independence and revolutionary periods, and continuing until the present-day.

**ART 20103 17th and 18th Century European Art.** Survey of European art during the 17th and 18th centuries with emphasis on major stylistic and thematic developments in painting, sculpture and architecture. Artists studied include Caravaggio, Poussin, Bernini, Rubens, Rembrandt, Velasquez, Vermeer and Watteau.

**ART 20113 A New World: Survey of American Art.** Survey of American art from its colonial beginnings to the present day. Emphasis is placed on analyzing works of art critically and examining them in light of their historical and social contexts.

**ART 20143 Painting.** Prerequisites: ART 10103, 10113. Basic painting procedures in oil and/or acrylic mediums. Introduction to techniques and material use.

**ART 20163 Printmaking (Etching).** Introduction to traditional and contemporary intaglio and relief materials as applied to metal plate etching, single and multi-plate color, collograph and photomechanical processes.

**ART 20173 Printmaking (Lithography).** Traditional and contemporary drawing materials used as an introduction to black and white lithographic printing from stones to plates. Emphasis on conceptual and expressionistic aspects of work.

**ART 20183 Printmaking (Screenprinting).** Introduction to basic applied and photomechanical stencil techniques. Emphasis on conceptual and expressionistic aspects of work.

**ART 20213 Ceramics.** Introduction to materials, methods and firing techniques. Wheel thrown and hand-built ceramics.

**ART 20243 Sculpture.** Prerequisite: ART 10133. Basic introduction to concept and creation of sculpture with emphasis on bronze casting, welded steel, ceramics and wood.

**ART 20303 19th and 20th Century Art.** A survey of the traditions and significant changes that characterized the visual arts during this fertile period in the history of art.

**ART 20323 Typography I.** Prerequisites: ART 10103, 10123, and 10143. Basic techniques and applications of standard graphic design methods.

**ART 20333 Typography II.** Prerequisite: ART 20323. Advanced processes and design problems in graphic design.

**ART 20403 Introduction to Visual Culture.** An introduction to modes of critical inquiry in art history through the study of major works of art.

**ART 20453 Introduction to Computer Graphics.** Prerequisites: ART 20323 and permission of instructor. An introduction to and overview of the use of computers in graphic design. Emphasis on skills, including understanding and using the Macintosh Operating System and current graphic design software. This includes page-layout, vector-based drawing, scanning and image enhancement/manipulation.

**ART 20503 Survey Topics in Art History.** Occasional courses offering broad surveys of topics, such as the history of landscape painting, portraiture, and public sculpture. Courses may relate to and take advantage of special museum exhibitions.

**ART 20603 Art History on Site.** This travel course surveys the visual arts from ancient times to the present by examining actual works of art and architecture on site.

**ART 20743 Photography.** Basic introduction to equipment, materials and processes of photography. Emphasis on creative use of materials and visual imagination.

**ART 20833 History of Visual Communication.** This course surveys the rich history of visual communication, with particular focus on two-dimensional work and visual communication of the twentieth century.

**ART 20970 Intermediate Studio.** Maximum 3 hours per semester. Directed individual problems to strengthen

fundamental knowledge and skills required for advanced studio courses. 1-6 hours.

**ART 21103 Life Studies.** Prerequisites: ART 10103, 10113, or permission of instructor. Drawing, painting, figure or portrait modeling from the live model.

**ART 30003 Junior Honors Seminar.** Directed readings in art and art history.

**ART 30013 Approaches to Studio Art.** Basic craft techniques as a foundation for advanced study and as applicable to the classroom situation.

**ART 30073 Modern British Art.** Prerequisites: ART 10043 or one 20000-level course, or permission of instructor. An examination of the visual arts of Britain, focusing on development of modernism in the nineteenth and twentieth centuries.

**ART 30100 Life Studies.** Prerequisite: ART 21103 (20100) or permission of instructor. Continuation of ART 21103 (20100). (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 30113 American Art to 1913.** Prerequisite: ART 10043, or one 20000 level course, or permission of instructor. A study of the visual arts from the colonial period to the advent of modernism with the Armory Show.

**ART 30123 American Art, 1913 to the Present.** Prerequisite: ART 30113 and one 20000 level course, or permission of instructor. A study of 20th-century visual arts in the United States.

**ART 30140 Advanced Painting.** Prerequisite: ART 20143. Advanced problems in painting with emphasis on individual direction. More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.

**ART 30143 Inka and Their Predecessors: Ancient South American Art.** Prerequisites: ART 10043, or one 20000-level course, or permission of instructor. The course surveys the art and architecture of the major cultures of the Pre-Columbian central Andes (Peru, Bolivia, Ecuador, and Chile).

**ART 30150 Artists' Books.** Prerequisites: Any 20000 level Art or Art History course or permission of instructor. Examination of the historical development of Artist Books. It will include hands-on application of visual/verbal statements and present a mixed media alternative for artists from concept through execution. More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.

**ART 30153 The Aztec, Maya, Olmec.** This course surveys the art and architecture of the major cultures of Pre-Columbian Mesoamerica (Mexico, Guatemala, Belize, Honduras), ranging from the Olmec, whose great tradition in stone sculpture emerged in about 1200 B.C., to the Triple Alliance of the Mexica Aztec, which the Spaniards conquered in the mid-sixteenth century. All major media are covered.

**ART 30160 Printmaking (Etching).** Prerequisites: ART 20163 or 20173 or 20183, or permission of instructor. Intaglio and relief techniques used with emphasis on individual development of conceptual and experimental concerns through printmaking as a medium. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 30163 Maya Art and Architecture.** Prerequisites: ART 10043, or one 2000-level Art History course, or permission of instructor. This course is an in-depth study of the art and architecture of the ancient Maya.

**ART 30170 Adv Printmaking (Lithography).** Prerequisites: ART 20163 or 20173 or 20183, or permission of instructor. Stone and plate lithographic technique employed with emphasis on individual development of expression. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 30173 Early Italian Renaissance Art.** Prerequisites: ART 10043 or one 20000 level course, or permission of instructor. Painting, sculpture, and architecture in 14th and 15th century Italy. Emphasis on Giotto, Masaccio, Donatello, Ghiberti, and Brunelleschi. Creative abilities of the Renaissance artist of the 14th and 15th centuries.

**ART 30180 Advanced Printmaking (Screenprinting).** Prerequisites: ART 20163 or 20173 or 20183, or permission of instructor. Applied and photomechanical stencil techniques used with emphasis on individual development of expression. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 30183 High and Late Italian Renaissance Art.** Prerequisites: ART 10043 or one 20000 level course or permission of instructor. 16th century art and architecture in Italy. Special attention to Michelangelo, Leonardo, Raphael, and Titian, with consideration of the changing role of the artist in Italian society.

**ART 30193 Northern Renaissance Painting: Van Eyck - Bruegel.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. Painting and printmaking in Germany and the Netherlands from the 14th through the 16th centuries. Artists studied include Jan van Eyck, Rogier van der Weyden, Bruegel, Holbein, and Durer.

**ART 30203 17th Century Italian and Spanish Art.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. Examination of stylistic, cultural, historical aspects of painting, sculpture and architecture of Italy and Spain in the 17th century. Artists studied include Caravaggio, the Carracci, Bernini, Borromini, and Velasquez.

**ART 30210 Ceramics.** Prerequisite: ART 20213 or permission of instructor. Advanced ceramic technique; clay bodies, glazes, kiln operation, radku. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 30213 Drawing as Artistic Invention.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. This history and technique of drawings from the 15th through 18th centuries. Emphasis on Leonardo, Raphael, Michelangelo, Elisabetta Sirani, Rubens and Rembrandt.

**ART 30220 Ceramic Sculpture.** Prerequisite: ART 20213 and/or permission of instructor. Use of ceramic materials on a greater scale as sculptural media. Problems of handling, glazing, firing; scale as sculptural media. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 30240 Advanced Sculpture.** Prerequisites: ART 10133 and 20243. Sculptural concepts, technical processes

and translation of ideas into three dimensional situations. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 30323 Typography III.** Prerequisites: ART 20323, 20333 or permission of instructor. Continued exploration of design process with emphasis on visual perception and communication of information.

**ART 30333 Modern Art I: Romantic Classicism to Impressionism.** Prerequisites: ART 10043 or one 20000 level course or permission of instructor. Movements in European art from 1750 to the 1880's.

**ART 30343 Van Gogh to Dali: Modern Art II.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. European art movements from the 1880s to the 1940s.

**ART 30353 Picasso: Artist of the Century.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. Examination of the art, life and influence of Pablo Picasso, who altered the course of the visual arts in the 20<sup>th</sup> century.

**ART 30363 17th Century Flemish-Dutch Painting.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. A study of Netherlandish painting during the Golden Age of Rembrandt and Rubens.

**ART 30400 Illustration.** Prerequisites: ART 10103 and 10113 or permission of instructor. Introduction to and exploration of current, creative illustration techniques and media. 3-15 hours, 3 hours maximum per semester.

**ART 30413 Women and the Visual Arts, 1500-1800.** Prerequisites: ART 10043 or one 20000 level course, or permission of the instructor. This class will examine the evolving roles of women as artists, patrons, and subjects in the visual arts in Europe during 1500-1800, with emphasis on the social, economic, and political context that shaped attitudes towards gender.

**ART 30423 Publication Design.** Prerequisites: ART 20323/20333 or permission of instructor. Complete range of design, layout, illustration, art preparation for book, magazine, news media publication.

**ART 30433 Package Design.** Prerequisite: ART 30323. Exploration of package design, packaging graphics and on-site promotion.

**ART 30443 Corporate Identity.** Prerequisites: ART 30323 and permission of instructor. An exploration of the theory and practice of corporate identity. This includes logosymbol and logotype design, and their application to various media which may include: stationery systems, signage, website, display and packaging.

**ART 30453 Computer Applications to Graphic Design.** Prerequisite: ART 20323, 20333. A practical study of the most current applications of electronic technology in the field of graphic design that will provide the technical skills necessary to master the computer as an art and communication medium.

**ART 30473 Advanced Computer Applications to Graphic Design.** Prerequisite: ART 30453 or permission of instructor. Aesthetic exploration of advanced design and rendering software.

**ART 30500 Special Topics in Art History.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. Independent studies and occasional courses are offered. Such courses may include: Indigenous Arts of the Americas, British Painting, American Architecture, History of Art Criticism, and European Study. 1-6 hours

**ART 30523 Advertising Design.** Prerequisite: ART 20333 or permission of instructor. Creative communication within the limitations of specific media.

**ART 30533 Advanced Advertising Design.** Prerequisite: ART 30523. Exploration of agency procedures with emphasis on problems involving design of print ads and campaigns.

**ART 30600 Art Study Abroad.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. An intensive, on-site study of art and architecture in foreign lands. Sites have included Europe, the former Soviet Union, Greece, Egypt, China and the South Seas. Includes pre-travel lectures with slides. (1-12 hours) Note: Art history and art studio majors should consult with their advisors before enrolling, since credit hours applicable to their degrees may be limited.

**ART 30603 Art Since 1945.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. Aspects of recent styles in relation to historic origins.

**ART 30613 Modern Architecture: 1750 to the Present.** Prerequisite: ART 10043 or one 20000 level course or permission of instructor. Architectural styles, movements, and personalities from 1750 to the present.

**ART 30623 History of the Print.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. Examination of historical development of the graphic arts from earliest phases to modern prints.

**ART 30633 Art in the Metroplex.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. Focus on exhibitions and collections in the Metroplex galleries and museums.

**ART 30710 Color Photography.** Prerequisite: ART 20743, or JOUR 30233, or permission of instructor. Color photographic principles, theory, processes and practice. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 30720 Landscape Photography.** Prerequisite: ART 20743 or permission of instructor. Techniques, methods for producing photographs under outdoor and "field" conditions. Emphasis on history and practice of landscape photography, its role in the history of the American West and its position in contemporary American Art Photography. (More than 3 hours per classes requires permission of instructor. May be repeated up to 21 hours.)

**ART 30730 Zone System Photography.** Prerequisite: ART 20743 or permission of instructor. Use of sensitometry to produce negatives using the zone system. Production of materials using non-silver as well as photo silver processes. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 30743 The Photographic Portrait.** Prerequisite: ART 20743 or permission of instructor. Portrait photography fundamentals including lighting, equipment, social and psychological aspects of human representation,

and business aspects of professional photography.

**ART 30753 Photographic Illustration.** Prerequisite: ART 20743 or permission of instructor. Taking, printing, layout and presentation of photographic materials related to projects in commercial art.

**ART 30760 Alternative, Non-Silver Photo Processes.** Prerequisites: ART 20743 and ART 30710. This course will investigate an extensive range of non-silver, alternative, and post print manipulative processes. (More than 3 hours per class requires permission of instructor. May be repeated.)

**ART 30770 Documentary Photography.** Prerequisites: ART 20743 and ART 30710 or permission of instructor. An explorations of the concepts, tools, and techniques of documentary photography. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 30790 Interactive Media for Artists.** Prerequisites: ART 20743 and ART 30710, or permission of instructor. An introduction to the concepts tools and techniques of interactive multimedia for artists. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 30803 The Child and Visual Arts.** Prerequisites: Junior standing in art, and permission of instructor. Theory and practice in techniques and methods for elementary school art program.

**ART 30823 History of Photography.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. History of photography with emphasis on its development.

**ART 30833 History of Graphic Design.** Prerequisite: ART 10043 or one 20000 level course, or permission of instructor. History of graphic design with emphasis on 19th and 20th centuries.

**ART 30903 Seminar in Art Professions.** Prerequisite: Junior standing in Art. The seminar will address specific professional issues such as photography of fine art, compiling slide portfolios, resume formats, exhibition preparation, exhibition venues, the role of museums and galleries, financial concerns and graduate school.

**ART 30913 Seminar in Art Criticism and Theory.** Prerequisites: Junior standing in Art or instructor permission. An exploration of major approaches to art criticism and theory with emphasis on developments since 1900.

**ART 40003 Senior Honors Research.** Directed research projects in art and art history.

**ART 40143 Senior Thesis in Visual Communication.** Prerequisites: Senior standing in the Graphic Design Program, 3.0 GPA in major and permission of instructor. The capstone course of the Graphic Design program. The class will consist of an intensive, independently-directed design project, with an accompanying research paper documenting the project.

**ART 40300 Problems in Graphic Design.** Prerequisites: Advanced standing in the major and permission of instructor. Special problems in communication graphics. 1-6 hours

**ART 40410 Graphic Design Internship.** Prerequisite: Senior standing and 3.0 GPA in major. On-the-job training in agencies, design studios, in-house departments, etc., which can provide students with valid educational opportunity to extend classroom experience. 3-6 hours

**ART 40413 Portfolio and Marketing.** Prerequisite: Senior standing in Graphic Design and permission of instructor. Assembly of portfolio; presentation techniques; competencies; the state of the market and preparation for employment opportunities. This includes participation in a group exhibition of final portfolios.

**ART 40710 Advanced Digital Photography.** Prerequisites: ART 20743 and ART 30710, or permission of instructor. An explorations of the concepts, tools and techniques of advanced digital photography. (More than 3 hours per class requires permission of instructor. May be repeated with instructor approval up to 21 hours.

**ART 40803 Essentials of Visual Arts.** Prerequisites: Junior standing in art, and permission of instructor. Theory and practice with techniques and methods for secondary school art program.

**ART 40893 Senior Art Exhibition.** Prerequisite: Graduating Senior in Studio Art or Art Education, or permission of instructor. Preparation of senior qualifying exhibition. All majors are required to exhibit selected work from their concentration. The successful completion of this requirement is a prerequisite to graduation.

**ART 40970 Special Problems.** Directed individual problems beyond the scope of regular courses in the concentration. Note: No student may enroll for a Special Problems course without first discussing the nature of the intended studies and obtaining written permission of the instructor. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ART 40980 Directed Study in Art History.** Prerequisites: Permission of instructor. Study under faculty supervision which will emphasize writing. Weekly meetings with instructor. (3-6 semester hours, maximum 3 hours per semester.)

**ART 40991 Senior Exhibition.** All majors are required to exhibit selected work from their concentration. The successful completion of this requirement is a prerequisite for graduation.

**ART 40993 Art Professions Internship.** The objective of the internship is to provide the student with the practical experience of working with professionals in an art museum, gallery, or other art-related venue.

**ART 40993 Art Professions Internship.** Prerequisites: Junior or senior art history majors and minors, with permission of the instructor. The objective of the internship is to provide the student with the practical experience of working with professionals in an art museum, gallery, or other art-related venue.

**FNRT 30900 Fine Arts Interdisciplinary Course.** This course offers students direct experience of the major aspects of contemporary culture in a location abroad. The faculty has structured a variety of field trips to facilitate the investigation of the arts in theatres, museums, galleries, concert halls, and studios and other arts allied spaces. Students will also be able to interview a number of the people who are responsible for the abundance of the arts in the city now.

**FNRT 30903 Art and Music in Hungary.**



## Ballet and Modern Dance

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### **(BALL), (MODA)**

Available on the Bachelor of Fine Arts degree with a major in Ballet, Modern Dance, or Ballet and Modern Dance. The department has the following mission:

The Department of Ballet & Modern Dance provides superior training in technique, performance and choreography and facilitates the development of educated dance artists who understand and integrate dance in broader contexts.

**B.F.A. Degree with a Major in Ballet or Modern Dance.** Students may major in ballet, modern dance, or a combined major in ballet and modern dance. Students who want to pursue a double major in both Ballet and Modern Dance must have the approval of the faculty. Students who double major must complete degree requirements for both majors. An audition is required for entrance to and placement in the program for all incoming dance students. Contact the Ballet & Modern Dance Department for audition information.

**Teacher Certification Program in Dance.** This certification qualifies students to teach dance in secondary education (grades 6-12) in Texas. The program targets TCU Ballet and Modern Dance majors, but students with previous dance training who are majoring in other fields may also qualify. An intermediate level proficiency in technique is required for entrance. The program aims to produce qualified dance teachers who are technically proficient and theoretically informed. (See School of Education: Teaching Fields for Secondary Education.)

### **Minor in Arts Administration**

An optional minor in Arts Administration is offered under the [College of Fine Arts](#).

### **Departmental Policies**

1. All majors are required to participate in any major production in which they are cast or given a crew assignment. Performance and production experiences are a vital part of a dancer's training, and all dancers qualified to take part in productions will be given the opportunity to do so. Non-departmental performance activities are subject to the chair's approval.
2. Students majoring in ballet and/or modern dance are accepted for a one-year trial period, during which their potential and progress are evaluated by the dance faculty to ascertain the feasibility of their continuing toward a dance degree. With faculty approval, this trial period may be extended for one additional year.
3. In addition to specifically designated course requirements, a minimum 2.5 cumulative GPA and a minimum of 2.5 GPA in the major are required as prerequisites to junior and senior level dance courses. Students whose grade point average has fallen below this level may not enroll in junior or senior level courses until the 2.5 average has been achieved. After enrollment in upper division courses, a minimum 2.5 GPA must be maintained as a prerequisite to further advanced enrollment.
4. A dance major is expected to maintain an appropriate dance physique for his/her particular skeletal frame and height, and to maintain an appropriate level of health and physical fitness required for full participation in all areas of dance study.
5. Regulation practice clothes will be required of all students. Tights and shoes for classes and performance must be provided by the student.
6. Men are occasionally provided with specific and separate classes that may substitute for their required daily technique class. Placement in these classes will be according to proficiency.
7. Capstone experiences for the dance major occur in choreography, dance history, dance aesthetics and teaching methods courses.
8. The Department of Ballet & Modern Dance welcomes non-majors to audition for placement in techniques classes for majors. Enrollment is limited by class size; dance majors have priority. Non-majors must have departmental permission to enroll.
9. The Department of Ballet & Modern Dance encourages qualified students to enroll in the Honors Program, Directed Studies courses in dance and to apply for such awards as the McNair Scholarship. It must be understood, however, that availability of such one-on-one learning opportunities is determined by faculty teaching responsibilities.
10. It is acceptable for dance majors to pursue two majors or two degrees at TCU. Students wishing to degree in ballet or modern dance while simultaneously working toward a second major in the College of Fine Arts, or a second degree in another college within TCU, should expect to spend more than four years to complete the second degree.
11. Talented beginners and students with technical deficiencies may be required to enroll in extra classes.
12. Only women are required to take Pointe courses.

### **Degree Plans**

#### **BFA - Ballet**

**UNIVERSITY REQUIREMENTS:****Undergraduate degree (135 hr. Minimum)****Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum requirements may range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**MAJOR REQUIREMENTS:****Ballet Technique (24 hrs.)**

--Majors in levels I and II are required to register concurrently for .5 hrs of pointe each semester.

BALT 10103

BALT 10113

BALT 20103

BALT 20113

BALT 30103

BALT 30113

BALT 40103

BALT 40113

**Modern Dance Technique (9 hrs.)**

MODA 10203

MODA 10213

MODA 20203

**Additional Ballet Courses (28 hrs.)**

BALT 10001 Music for Dancers

BALT 10011 Topics in Dance

BALT 10110 Pointe I

BALT 10120 Pointe II

BALT 20110 Pointe III

BALT 20120 Pointe IV

BALT 10053 Survey of Dance

BALT 10322 Ensemble &amp; Performance I

BALT 20152 Jazz

BALT 20161 International Dance Forms

BALT 20601 Dance Kinesiology

BALT 30162 Ballet Variations

BALT 30172 Ballet Variations &amp; Repertory

BALT 30180 Supported Adagio I

BALT 40173 Dance History I

BALT 40183 Dance History II

BALT 50130 Teaching Methods - Ballet

**Additional Modern Courses (17 hrs.)**

MODA 10241 The Working Body

MODA 10422 Ensemble &amp; Performance II

MODA 10600 Dance Production Practicum I

MODA 30211 Frameworks for Action

MODA 30252 Elements of Dance Composition

MODA 30600 Dance Production Practicum II

MODA 40243 Contemporary Choreography

MODA 40263 Senior Project

MODA 50400 Aesthetics

**Related Requirements (12 hrs.)**

MUSI 10003 Music Theory for Non-majors

THEA 10603 Stagecraft

KINE 10603 Anatomical Kinesiology **or**

BIOL 20404 Anatomy &amp; Physiology

Approved Elective

**Foreign Language (6 hrs.)****BFA - Modern Dance****UNIVERSITY REQUIREMENTS:****Undergraduate degree (133 hr. Minimum)****Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum may range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**MAJOR REQUIREMENTS:****Modern Dance Technique (24 hrs.)**

--Majors in levels I and II are required to register concurrently for .5 hrs of pointe each semester.

MODA 10203

MODA 10213

MODA 20203

MODA 20213

MODA 30203

MODA 30213

MODA 40203

MODA 40213

**Ballet Technique (9 hrs.)**

BALT 10103

BALT 10113

BALT 20103

**Additional Modern Courses (26 hrs.)**

MODA 10241 The Working Body

MODA 10422 Ensemble &amp; Performance II

MODA 10600 Dance Production Practicum I

MODA 30211 Frameworks for Action

MODA 30242 Modern Dance Laboratory

MODA 30252 Elements of Dance Composition

MODA 30262 Modern Dance Performing &amp; Repertory I

MODA 30600 Dance Production Practicum II

MODA 40243 Contemporary Choreography

MODA 40263 Senior Project

MODA 40272 Modern Dance Performing &amp; Repertory II

MODA 50400 Dance Aesthetics

MODA 50230 Teaching Methods - Modern

**Additional Ballet Courses (17 hrs.)**

BALT 10001 Music for Dancers

BALT 10053 Survey of Dance

BALT 10011 Topics in Dance

BALT 10322 Ensemble &amp; Performance I

BALT 20152 Jazz

BALT 20161 International Dance Forms

BALT 20601 Dance Kinesiology

BALT 40173 Dance History I

BALT 40183 Dance History II

**Related Requirements (12 hrs.)**

MUSI 10003 Music Theory for Non-majors

THEA 10603 Stagecraft

KINE 10603 Anatomical Kinesiology **or**

BIOL 20404 Anatomy &amp; Physiology

Approved Elective

**Foreign Language (6 hrs.)****BFA Double Major - Ballet & Modern Dance****UNIVERSITY REQUIREMENTS:****Undergraduate degree (124 hr. Minimum)****Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum may range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**MAJOR REQUIREMENTS:****Ballet Technique (24 hrs.)**

--Majors in levels I and II are required to register concurrently for .5 hrs of pointe each semester.

BALT 10103

BALT 10113

BALT 20103

BALT 20113

BALT 30103

BALT 30113

BALT 40103

BALT 40113

**Additional Ballet Courses (28 hrs.)**

BALT 10001 Music for Dancers

BALT 10011 Topics in Dance

BALT 10110 Pointe I

BALT 10120 Pointe II

BALT 20110 Pointe III

BALT 20120 Pointe IV

BALT 10053 Survey of Dance

BALT 10322 Ensemble &amp; Performance I

BALT 20152 Jazz

BALT 20161 International Dance Forms

BALT 20601 Dance Kinesiology

BALT 30162 Ballet Variations

BALT 30172 Ballet Variations &amp; Repertory

BALT 30180 Supported Adagio I

BALT 40173 Dance History I

BALT 40183 Dance History II

BALT 50130 Teaching Methods - Ballet

**Modern Dance Technique (24 hrs.)**

MODA 10203

MODA 10213

MODA 20203

MODA 20213

MODA 30203

MODA 30213

MODA 40203

MODA 40213

**Additional Modern Courses (26 hrs.)**

MODA 10241 The Working Body  
 MODA 10422 Ensemble & Performance II  
 MODA 10600 Dance Production Practicum I  
 MODA 30211 Frameworks for Action  
 MODA 30242 Modern Dance Laboratory  
 MODA 30252 Elements of Dance Composition  
 MODA 30262 Modern Dance Performing & Repertory I  
 MODA 30600 Dance Production Practicum II  
 MODA 40243 Contemporary Choreography  
 MODA 40263 Senior Project  
 MODA 40272 Modern Dance Performing & Repertory II  
 MODA 50400 Dance Aesthetics  
 MODA 50230 Teaching Methods - Modern

**Related Requirements (12 hrs.)**

MUSI 10003 Music Theory for Non-majors  
 THEA 10603 Stagecraft  
 KINE 10603 Anatomical Kinesiology **or**  
 BIOL 20404 Anatomy & Physiology  
 Approved Elective

**Foreign Language (6 hrs.)**

**Suggested Courses for the Freshman Year**

**BALLET MAJORS**

*FALL (17 hrs.)*

**Ballet (6.5 hrs.)**

BALT 10011 Topics in Dance  
 BALT 10103 Ballet Technique  
 BALT 10110 Pointe I  
 BALT 10322 Ensemble & Performance I

**Modern Dance (4.5 hrs.)**

MODA 10203 Modern Technique  
 MODA 10241 The Working Body  
 MODA 10600 Dance Production Practicum I (.5 hr.)

**TCU Core Curriculum (6 hrs.)**

*SPRING (18 hrs.)*

**Ballet (6.5 hrs.)**

BALT 10120 Pointe II  
 BALT 10053 Survey of Dance  
 BALT 10113 Ballet Technique

**Modern Dance (5.5 hrs.)**

MODA 10213 Modern Technique  
 MODA 10422 Ensemble & Performance II  
 MODA 10600 Dance Production Practicum I

**TCU Core Curriculum (6 hrs.)**

**MODERN DANCE MAJORS**

*FALL (16.5 hrs.)*

**Modern Dance (4.5 hrs.)**

MODA 10203 Modern Technique  
 MODA 10241 The Working Body  
 MODA 10600 Dance Production Practicum I (.5 hr.)

**Ballet (6 hrs.)**

BALT 10011 Topics in Dance  
 BALT 10103 Ballet Technique  
 BALT 10322 Ensemble & Performance I

**TCU Core Curriculum (6 hrs.)**

*SPRING (17.5 hrs.)*

**Modern Dance (5.5 hrs.)**

MODA 10213 Modern Technique  
 MODA 10422 Ensemble & Performance II  
 MODA 10600 Dance Production Practicum I (.5 hr.)

**Ballet (6 hrs.)**

BALT 10053 Survey of Dance  
 BALT 10113 Ballet Technique

**TCU Core Curriculum (6 hrs.)**

**DOUBLE MAJORS IN BALLET & MODERN DANCE***FALL (17 hrs.)***Ballet (6.5 hrs.)**

BALT 10011 Topics in Dance

BALT 10103 Ballet Technique

BALT 10110 Pointe I

BALT 10322 Ensemble &amp; Performance I

**Modern Dance (4.5 hrs.)**

MODA 10203 Modern Technique

MODA 10241 The Working Body

MODA 10600 Dance Production Practicum I (.5 hr.)

**TCU Core Curriculum (6 hrs.)****SPRING (18 hrs.)****Ballet (6.5 hrs.)**

BALT 10120 Pointe II

BALT 10053 Survey of Dance

BALT 10113 Ballet Technique

**Modern Dance (5.5 hrs.)**

MODA 10213 Modern Technique

MODA 10422 Ensemble &amp; Performance II

MODA 10600 Dance Production Practicum I (.5 hr.)

**TCU Core Curriculum (6 hrs.)****Courses of Instruction**

**BALT 10001 Music for Dancers.** Prerequisite: MUSI 10003. This course provides particular experiences in the aural identification of those elements in music pertinent to the dancer, including rhythm, meter, texture, historical period identification and the recognition of theme and form.

**BALT 10011 Topics in Dance.** Prerequisite: Dance majors only. This course will introduce freshman dance majors to specific information relevant to their development as students, dancers and artists. Topics covered include careers in dance, ballet terminology, resume formatting, dance technology, audition practices, stage make-up, nutrition, and resource building.

**BALT 10053 Survey of Dance.** Historical and critical examination of the literature and art of dance designed to develop an understanding and appreciation of the various forms of dance.

**BALT 10101 Classical Ballet Vocabulary.** An introduction to the French terminology used in the language of classical ballet.

**BALT 10103 Ballet Technique.** Prerequisite: Dance Majors only. Study and practice of classical ballet technique.

**BALT 10110 Pointe I.** Prerequisite: Concurrent enrollment in Ballet technique level I. This course develops the strength, technique and skill specific to pointe work at the beginning level of technique. (Credit: 1/2 semester hour)

**BALT 10113 Ballet Technique.** Prerequisite: Dance Majors only. Study and practice of classical ballet technique.

**BALT 10120 Pointe II.** Prerequisite: Concurrent enrollment in Ballet technique level I. Continuation of BALT 10110. (Credit: 1/2 semester hour)

**BALT 10322 Ensemble and Performance I.** Ensemble and performance training for the dancer, including work in groups of two and three and introducing the accompanying partnering skills. Required of all Ballet and Modern majors. Open to others enrolled in technique courses and with permission of instructor.

**BALT 10333 Ballet Technique for Non-Majors.** Prerequisites: Placement audition and permission of instructor required. Study and practice of classical ballet technique.

**BALT 10433 Freshman Seminar in Ballet.** Topics may vary each time it is offered.

**BALT 10443 Ballet Technique for Non-Majors.** Prerequisites: Placement audition and permission of instructor required. Study and practice of classical ballet technique.

**BALT 10553 Ballet Technique for Non-Majors.** Prerequisites: Placement audition and permission of instructor required. Study and practice of classical ballet technique.

**BALT 10663 Ballet Technique for Non-Majors.** Prerequisites: Placement audition and permission of instructor required. Study and practice of classical ballet technique.

**BALT 20103 Ballet Technique.** Prerequisite: Dance Majors only. Study and practice of classical ballet technique.

**BALT 20110 Pointe III.** Prerequisite: Concurrent enrollment in Ballet technique level II. This course develops the strength, technique and skill specific to pointe work at the intermediate level of technique. (Credit: 1/2 semester hour)

**BALT 20113 Ballet Technique.** Prerequisite: Dance Majors only. Study and practice of classical ballet technique.

**BALT 20120 Pointe IV.** Prerequisite: Concurrent enrollment in Ballet technique level II. Continuation of BALT 20110. (Credit: 1/2 semester hour)

**BALT 20130 Special Problems in Ballet.** Independent project supervised by faculty. 1-8 semester hours.

**BALT 20142 Jazz.** Study of Jazz techniques. Classes include warm-up, strengthening exercises and progressions. Course encompasses work in lyrical, contemporary musical theatre and hip-hop styles.

**BALT 20152 Jazz.** Prerequisite: Dance majors or audition and permission of instructor. Study of Jazz dance techniques. Classes include warm-up, strengthening exercises and progressions. Course encompasses work in lyrical, contemporary musical theatre and hip-hop styles.

**BALT 20161 International Dance Forms.** This course combines theory and practice of world dances. Students examine specific dances historically, aesthetically, critically, and in performance. (1-3 semester hours)

**BALT 20601 Dance Kinesiology.** Prerequisite: Dance majors or permission of instructor; KINE 10603 or BIOL 20204. This course presents the various scientific tools of movement analysis that support and facilitate the work of the dancer and choreographer. Particular emphasis will be put upon the qualitative differences in dance performance and the relationship between scientific and aesthetic aspects of movement.

**BALT 30003 Junior Honors Seminar.** A supervised research experience in Ballet Studies. The topic will be determined in consultation with the supervising professor. Topics may be focused on, but are not limited to, aspects of performance, choreography, history, education or aesthetics.

**BALT 30103 Ballet Technique.** Prerequisite: Dance Majors only. Study and practice of classical ballet technique.

**BALT 30113 Ballet Technique.** Prerequisite: Dance Majors only. Study and practice of classical ballet technique.

**BALT 30162 Ballet Variations.** Prerequisite: Dance majors only. Practice and performance of ballet variations from the Romantic, Classical and Neo-Classical repertoire.

**BALT 30172 Ballet Variations and Repertory.** Prerequisite: Dance majors only; BALT 30162 or permission of instructor. Continuation of BALT 30162 with practice and performance of more complex ballet variations from the Romantic, Classical and Neo-Classical Repertoire.

**BALT 30180 Supported Adagio I.** Prerequisite: Women, BALT 30162; Men, 10322. Emphasis on supported adagio from classical ballet to more contemporary forms. (1-6 semester hours)

**BALT 30633 Lighting and Design for Dance.** Prerequisites: Ballet and/or Modern Dance major and MODA 20603, or permission of instructor. This course will provide students with the information and practical experience to create and implement lighting design for dance.

**BALT 40003 Senior Honors Seminar.** A supervised research experience with a thesis that is usually based on work completed in BALT 30003. Performance may be an aspect of the course. Arrangements for the course, which offered only as a tutorial, must be made with an instructor prior to enrollment.

**BALT 40103 Ballet Technique.** Prerequisite: Dance Majors only. Study and practice of classical ballet technique.

**BALT 40113 Ballet Technique.** Prerequisite: Dance Majors only. Study and practice of classical ballet technique.

**BALT 40120 Special Problems in Ballet.** Independent project supervised by faculty. 1-6 semester hours.

**BALT 40173 Dance History.** Prerequisite: BALT 10053 or permission of instructor. This course examines the history of dance from primitive cultures through the classical cultures, the Middle Ages, the Renaissance, the birth of Ballet and its Romantic and Classical periods to the flowering of the Russian Ballet under Petipa at the close of the 19th century.

**BALT 40183 Twentieth Century Dance.** Prerequisite: BALT 40173 or permission of instructor. A continuation of BALT 40173, this course examines Classical and Contemporary developments through the 20th century.

**BALT 50100 Ballet Technique.** Theory and practice of ballet. 3-6 semester hours; 3 hours maximum per semester.

**BALT 50130 Teaching Methods.** Prerequisite: Must be a dance major with junior, senior or graduate standing. Theory, methods of teaching dance with specific focus on ballet (3-9 semester hours, 3 hours maximum per semester)

**BALT 50150 Choreography.** Prerequisite: Senior or graduate standing. Creating original works and directing aspects of their productions. 3-12 semester hours.

**BALT 50160 History of the Dance.** Primitive to Renaissance; Renaissance to Modern. In-depth study and research project on a historical topic relevant to the individual program of study. 3 hours minimum.

**BALT 50180 Supported Adagio II.** Prerequisite: Senior or graduate standing. Advanced level of BALT 30180. Practice and/or performance of supported adagio roles. (1-4 semester hours)

**BALT 50320 Advanced Ensemble and Performance.** Prerequisite: Senior or graduate standing and permission of instructor. Technique and ensemble training. May be taken in place of upper level technique classes. (3-9 semester hours, 3 hours maximum per semester.)

**MODA 10203 Modern Dance Technique.** Prerequisites: Dance majors only or permission of the instructor. Theory and practice of Modern Dance.

**MODA 10213 Modern Dance Technique.** Prerequisites: Dance majors only or permission of the instructor. Theory and practice of Modern Dance.

**MODA 10241 The Working Body.** Approaches to healthful and efficient movement through topics including structure, alignment and conditioning particularly appropriate to the aspiring professional dancer.

**MODA 10333 Modern Dance Technique for Non-Majors.** Prerequisite: Audition and departmental permission. This is a course number used to enroll non-majors in a major technique class. Non-major enrollment will be limited by the number of majors enrolled.

**MODA 10422 Ensemble and Performance II.** Prerequisite: BALT 10322 or permission of instructor. Continued ensemble and performance training for the dancer with special emphasis in improvisatory skills and group sensitivity.

Required of all Ballet and Modern Dance majors.

**MODA 10443 Modern Dance Technique for Non-Majors.** Prerequisite: Audition and departmental permission. This is a course number used to enroll non-majors in a major technique class. Non-major enrollment will be limited by the number of majors enrolled.

**MODA 10553 Modern Dance Technique for Non-Majors.** Prerequisite: Audition and departmental permission. This is a course number used to enroll non-majors in a major technique class. Non-major enrollment will be limited by the number of majors enrolled.

**MODA 10600 Dance Production Practicum I.** Practical experience in all facets of dance production related to departmental presentations. Course may be repeated for a maximum of 3 credit hours.

**MODA 10663 Modern Dance Technique for Non-Majors.** Prerequisite: Audition and departmental permission. This is a course number used to enroll non-majors in a major technique class. Non-major enrollment will be limited by the number of majors enrolled.

**MODA 20203 Modern Dance Technique.** Prerequisites: Dance majors only or permission of the instructor. Theory and practice of Modern Dance.

**MODA 20213 Modern Dance Technique.** Prerequisites: Dance majors only or permission of the instructor. Theory and practice of Modern Dance.

**MODA 20230 Special Problems in Modern Dance.** Independent project supervised by faculty (.5-8 semester hours)

**MODA 20603 Dance Production.** Prerequisites: Ballet and/or Modern Dance major or permission of instructor. Dance Production is an introduction to design and production for dance. This course provides broad exposure to design and production with emphasis on their relationship to dance performance. It is a survey of production areas including basic visual design, scenery and costumes, lighting, sound, and video. It also provides an introduction to the mechanics of the tools, lighting instruments, control consoles, sound systems, video projectors, and other technology used in live performance.

**MODA 30003 Junior Honors Seminar.** A supervised research experience in Modern Studies. The topic will be determined in consultation with the supervising professor. Topics may be focused on, but are not limited to, aspects of performance, choreography, history, education or aesthetics.

**MODA 30203 Modern Dance Technique.** Prerequisites: Dance majors only or permission of the instructor. Theory and practice of Modern Dance.

**MODA 30211 Frameworks for Action.** This seminar course is an exploration of dance-related topics providing frameworks for professional success in the field.

**MODA 30213 Modern Dance Technique.** Prerequisites: Dance majors only or permission of the instructor. Theory and practice of Modern Dance.

**MODA 30242 Modern Dance Laboratory.** Concurrent enrollment in Modern Dance technique class, completion of MODA 10422 and 30253, or permission of the instructor. Continuation of MODA 30253 providing students with the opportunity to further their skills with regard to the craft of choreography. Focus centers on developing content, defining structure and learning to manipulate choreographic devices. Creativity and critical analysis are essential components of coursework.

**MODA 30252 Elements of Dance Composition.** Prerequisite: MODA 10422, and concurrent enrollment in a Ballet and/or Modern Dance technique class, or permission of the instructor. Introduction to the craft of choreography. Students are introduced to the elements of dance movement and basic compositional theories, create choreographic studies and engage in critical analysis.

**MODA 30262 Modern Dance Performing and Repertory.** Prerequisite: concurrent enrollment in Modern Dance technique class, MODA 10422, 30252, or permission of the instructor. Study of the elements of performing through addressing particular skills and/or specific repertory. Dancers are presented with challenges that will enhance performance abilities as well as teach them how to more effectively contribute as a company member in a professional setting.

**MODA 30600 Dance Production Practicum II.** Prerequisites: Ballet and/or Modern Dance major and MODA 10600, or permission of instructor. Practical experience in dance production leadership related to departmental presentations. Course may be repeated for a maximum of 3 credit hours.

**MODA 40003 Senior Honors Seminar.** A supervised research experience with a thesis that is usually based on work completed in MODA 30003. Arrangements for the course, which is offered only as a tutorial, must be made with an instructor prior to enrollment.

**MODA 40203 Modern Dance Technique.** Prerequisites: Dance majors only or permission of the instructor. Theory and practice of Modern Dance.

**MODA 40213 Modern Dance Technique.** Prerequisites: Dance majors only or permission of the instructor. Theory and practice of Modern Dance.

**MODA 40220 Special Problems in Modern Dance.** Independent project supervised by faculty. Individual assignments in technique, teaching, performing, or research. Preparation of dance works choreography, costumes, lighting and production for public performance. Related areas include history of modern dance, dance literature, notation and dance careers. 1-6 semester hours

**MODA 40243 Contemporary Choreography.** Prerequisite: MODA 30252. An investigation of contemporary forms in choreography and the use of those forms in the creating of original works.

**MODA 40262 Senior Project.** Prerequisite: MODA 40243 or permission of instructor. A capstone course giving the BFA candidate an opportunity to thoroughly explore, develop, edit and produce a project that demonstrates choreographic crafting informed by artistic judgments and personal values.

**MODA 40272 Modern Dance Performing and Repertory.** Prerequisite: MODA 30262. Continuation of MODA 30262.

**MODA 50150 Choreography.** Prerequisite: Senior or graduate standing. Create original works and directing aspects of their production. (3-12 semester hours.)

**MODA 50160 History of the Dance.** Prerequisite: Senior or graduate standing. Research in the areas of dance history. (3-6 semester hours.)

**MODA 50200 Modern Dance Technique.** Prerequisite: Senior or graduate standing. Theory and practice of modern dance. 3-6 semester hours, 3 hours maximum per semester.

**MODA 50230 Teaching Methods.** Theory, methods and materials of teaching dance with specific focus on modern dance. (3-9 semester hours; 3 hours maximum per semester.)

**MODA 50320 Advanced Ensemble and Performance.** Technique and ensemble training. (3-9 semester hours; 3 hours maximum per semester.)

**MODA 50400 Aesthetics of Dance.** Discussion and reading concerning performance, choreography, pedagogy, criticism and/or research. (1-3 semester hours)



# Theatre

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[Departmental Requirements](#)

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## (THEA)

Two degrees are offered in theatre: 1) a Bachelor of Fine Arts (BFA) with a major in theatre, and an emphasis chosen from this list: acting, design, film & TV, musical theatre, production, or no emphasis; and 2) a Bachelor of Arts (BA) with a major in theatre that permits the student to choose an additional major or minor in another academic field of study. (NOTE: the BA requires the student to have a minor)

The Department of Theatre functions within the context of a liberal arts university, and sincerely believes that the student experience should include areas of investigation beyond the narrowly focused instruction that characterizes most non-university affiliated professional training programs.

The department requires a core of courses in all aspects of the theatre. These courses provide an overall view of the discipline including acting, directing, history and dramatic literature, design and technical production. The core provides a strong background for both the liberal arts and pre-professional student.

### Departmental Facilities

The Department of Theatre is housed in Ed Landreth Hall and the Hays Theatre Complex at TCU. Facilities include the 175 seat proscenium arch Jerita Foley Buschman Theatre and the 220 seat Spencer and Marlene Hays Theatre, with a thrust stage. A Studio Theatre is in constant use by students involved in producing shows to test the skills they are developing in the classroom. All theatre spaces have state of the art equipment for teaching theatre technology. Theatre productions are supported by a large Scenic Studio in the Walsh Center complex with a counterweighted paint frame and spray booth for painting scenery and stage properties. A fully equipped Costume Studio for theatre is located in the Ballet & Modern Dance Building. A computer lab is available for students' use and for teaching various software programs specific to the theatre. Additional classrooms for theatre graphics, acting, and history are located in Ed Landreth Hall.

### Departmental Requirements

The Department requires majors and minors to participate in departmental productions. Participation in both performance and production broadens the student's background and prepares the student for advanced study. Any student on academic probation will not be permitted to perform in public productions. Additional department policies are explained in a departmental student handbook. All majors and minors are responsible for securing and reading this Handbook. Courses in the theatre major or minor must be taken for a letter grade, and must be completed with a grade of "C" or better to fulfill graduation requirements.

### Minor in Arts Administration

An optional minor in Arts Administration is offered under the [College of Fine Arts](#).

### Bachelor of Fine Arts Degrees in Theatre

#### B.F.A. Degree with Major in Theater - Emphasis in Acting

#### UNIVERSITY REQUIREMENTS:

#### Undergraduate degree (124 hr. Minimum)

#### Upper-level coursework taken at TCU (42 hr. Minimum)

#### TCU Core Curriculum (39 hr. Minimum)

--TCU Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

#### MAJOR REQUIREMENTS:

#### Theatre Courses (36 hrs.)

THEA 10103: Art of the Theatre

THEA 10603: Stagecraft

THEA 10613: Theatre Graphics

THEA 10703: Stage Makeup

THEA 20103: Script Analysis

THEA 20333: Acting I

THEA 20503: Introduction to Lighting

THEA 20713: Practical Costuming

THEA 30103: Theatre History I

THEA 30113: Theatre History II

THEA 30403: Directing

THEA 40133: History of Costume

#### Production Courses (8 hrs.)

THEA 10601 - 8 semesters

--THEA 30601 may be used to fulfill this requirement

**Acting Coursework (24 hrs.)**

THEA 20303: Voice & Articulation  
 THEA 20323: Movement for Actors  
 THEA 20343: Acting II  
 THEA 30303: Acting III  
 THEA 30313: Voice & Text  
 THEA 30333: Advanced Movement for Actors  
 THEA 40303: Acting IV  
 THEA 40853: Managing a Performance Career

**B.F.A. Degree with Major in Theatre - Emphasis in Design****UNIVERSITY REQUIREMENTS:****Undergraduate degree (124 hr. Minimum)****Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**MAJOR REQUIREMENTS:****Theatre Courses (36 hrs.)**

THEA 10103: Art of the Theatre  
 THEA 10603: Stagecraft  
 THEA 10613: Theatre Graphics  
 THEA 10703: Stage Makeup  
 THEA 20103: Script Analysis  
 THEA 20333: Acting I  
 THEA 20503: Introduction to Lighting  
 THEA 20713: Practical Costuming  
 THEA 30103: Theatre History I  
 THEA 30113: Theatre History II  
 THEA 30403: Directing  
 THEA 40133: History of Costume

**Production Courses (8 hrs.)**

THEA 10601 - 8 semesters  
 --THEA 30601 may be used to fulfill this requirement

**Design Coursework (24 hrs.)**

ART 10103: Drawing I  
 THEA 20603: Rendering  
 THEA 30513: Computer Graphics for Theatre  
 THEA 30600: Design/Technical Workshop  
 THEA 30623: Scene Painting  
 THEA 30630: Scene Design  
 THEA 30720: Costume Design  
 THEA 40543: Advanced Lighting

**B.F.A. Degree with Major in Theatre - Emphasis in Film & Television****UNIVERSITY REQUIREMENTS:****Undergraduate degree (124 hr. Minimum)****Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**MAJOR REQUIREMENTS:****Theatre Courses (36 hrs.)**

THEA 10103: Art of the Theatre  
 THEA 10603: Stagecraft  
 THEA 10613: Theatre Graphics  
 THEA 10703: Stage Makeup  
 THEA 20103: Script Analysis  
 THEA 20333: Acting I  
 THEA 20503: Introduction to Lighting  
 THEA 20713: Practical Costuming  
 THEA 30103: Theatre History I  
 THEA 30113: Theatre History II  
 THEA 30403: Directing  
 THEA 40133: History of Costume

**Production Courses (8 hrs.)**

THEA 10601 - 8 semesters  
 --THEA 30601 may be used to fulfill this requirement

**Film & Television Coursework (24 hrs.)**

RTVF 10113: History of Broadcasting  
 RTVF 10123: History of Film  
 RTVF 10143: Aesthetics  
 THEA 20303: Voice & Articulation  
 THEA 20343: Acting II  
 THEA 40503: On-Camera Acting  
 --6 more hours should be chosen from RTVF 20523, RTVF 20583, RTVF 30353, RTVF 30433, RTVF 30593, RTVF

30643, RTVF 30663, RTVF 30983, RTVF 40623, RTVF 40683

### **B.F.A. Degree with Major in Theatre - Emphasis in Musical Theatre**

#### **UNIVERSITY REQUIREMENTS:**

**Undergraduate degree (124 hr. Minimum)**

**Upper-level coursework taken at TCU (42 hr. Minimum)**

**TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

#### **MAJOR REQUIREMENTS:**

##### **Theatre Courses (36 hrs.)**

THEA 10103: Art of the Theatre

THEA 10603: Stagecraft

THEA 10613: Theatre Graphics

THEA 10703: Stage Makeup

THEA 20103: Script Analysis

THEA 20333: Acting I

THEA 20503: Introduction to Lighting

THEA 20713: Practical Costuming

THEA 30103: Theatre History I

THEA 30113: Theatre History II

THEA 30403: Directing

THEA 40133: History of Costume

##### **Production Courses (8 hrs.)**

THEA 10601 - 8 semesters

--THEA 30601 may be used to fulfill this requirement

##### **Musical Theatre Coursework (21 hrs.)**

THEA 20303: Voice & Articulation

THEA 20323: Movement for Actors

THEA 20343: Acting II

THEA 30303: Acting III

THEA 40203: Musical Theatre Performance

THEA 40213: Advanced Musical Theatre Performance

THEA 40853: Managing a Performance Career

##### **Music & Dance Coursework (6 hrs.)**

Voice lessons - 3 hrs. chosen from MUSP 21100 or MUSP 41100 Voice lessons for non-majors

Dance lessons - 3 hrs. chosen from BALT 10133 or MODA 10133

--The dance requirement may be filled by combining BALT 20142 or BALT 20152 with PEAC 10531 or PEAC 10591

### **B.F.A. Degree with Major in Theatre - Emphasis in Production**

#### **UNIVERSITY REQUIREMENTS:**

**Undergraduate degree (124 hr. Minimum)**

**Upper-level coursework taken at TCU (42 hr. Minimum)**

**TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

#### **MAJOR REQUIREMENTS:**

##### **Theatre Courses (36 hrs.)**

THEA 10103: Art of the Theatre

THEA 10603: Stagecraft

THEA 10613: Theatre Graphics

THEA 10703: Stage Makeup

THEA 20103: Script Analysis

THEA 20333: Acting I

THEA 20503: Introduction to Lighting

THEA 20713: Practical Costuming

THEA 30103: Theatre History I

THEA 30113: Theatre History II

THEA 30403: Directing

THEA 40133: History of Costume

##### **Production Courses (8 hrs.)**

THEA 10601 - 8 semesters

--THEA 30601 may be used to fulfill this requirement

##### **Production Coursework (24 hrs.)**

ART 10103: Drawing

THEA 20613: Stage Management & Sound Design

THEA 30513: Computer Graphics for Theatre

THEA 30600: Design/Technical Workshop

THEA 30623: Scene Painting

THEA 30713: Pattern Drafting & Draping

THEA 40543: Advanced Lighting

THEA 40603: Advanced Stagecraft

### **B.F.A. Degree with Major in Theatre - No Emphasis**

#### **UNIVERSITY REQUIREMENTS:**

**Undergraduate degree (124 hr. Minimum)****Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**MAJOR REQUIREMENTS:****Theatre Courses (36 hrs.)**

THEA 10103: Art of the Theatre  
 THEA 10603: Stagecraft  
 THEA 10613: Theatre Graphics  
 THEA 10703: Stage Makeup  
 THEA 20103: Script Analysis  
 THEA 20333: Acting I  
 THEA 20503: Introduction to Lighting  
 THEA 20713: Practical Costuming  
 THEA 30103: Theatre History I  
 THEA 30113: Theatre History II  
 THEA 30403: Directing  
 THEA 40133: History of Costume

**Production Courses (8 hrs.)**

THEA 10601 - 8 semesters

--THEA 30601 may be used to fulfill this requirement

**Additional Theatre Coursework (24 hrs.)**

THEA 20303: Voice & Articulation  
 THEA 20323: Movement for Actors  
 THEA 20343: Acting II  
 THEA 20603: Rendering  
 THEA 20613: Stage Management & Sound Design  
 THEA 30513: Computer Graphics for Theatre  
 THEA 30630: Scene Design  
 THEA 30720: Costume Design

**Bachelor of Arts with a Major in Theatre****UNIVERSITY REQUIREMENTS:****Undergraduate degree (124 hr. Minimum)****Upper-level coursework taken at TCU (42 hr. Minimum)****TCU Core Curriculum (39 hr. Minimum)**

--TCU Core Curriculum requirements can range from 39 to 63 hours depending on the choice of courses. Some courses may count in more than one area.

**Minor (18 hr. Minimum)****MAJOR REQUIREMENTS:****Theatre Courses (30 hrs.)**

THEA 10103: Art of the Theatre  
 THEA 10603: Stagecraft  
 THEA 10613: Theatre Graphics  
 THEA 20103: Script Analysis  
 THEA 20333: Acting I  
 THEA 20503: Introduction to Lighting  
 THEA 20713: Practical Costuming  
 THEA 30103: Theatre History I  
 THEA 30113: Theatre History II  
 THEA 30403: Directing

**Production Courses (4 hrs.)**

THEA 10601 - 4 semesters

--THEA 30601 may be used to fulfill this requirement

**Foreign Language**

-- 6 hours or demonstrated proficiency at the second-semester, sophomore level are required. See Modern Language Major catalog listing for additional information.

**Minor in Theatre****MINOR REQUIREMENTS (18 hrs.)**

A student seeking a minor in Theatre must have an advisor in the Theatre Department.

**Theatre Courses**

THEA 10103: Art of the Theatre  
 THEA 10603: Stagecraft  
 THEA 20103: Script Analysis  
 THEA 20333: Acting I  
 THEA 30103: Theatre History I or  
 THEA 30113: Theatre History II

**Production Courses (3 hrs.)**

THEA 10601: Theatre Production

**Professional Internship Program**

With departmental approval, majors may take up to 12 hours of elective credit in Theatre Internship courses for experience working with professional programs at area theatres and theatres around the country.

### Teacher Certification

Teacher Certification on the secondary level is available under the B.A. degree program. No second teaching field is required.

### EDUCATION REQUIREMENTS (31 hrs.)

EDUC 20003 Critical Investigation of Teaching  
 EDUC 30113 Intro to Educational Technology  
 EDSE 30153 Adolescent Development  
 EDSE 30163 Secondary Ed Psych  
 EDSP 30603 Study of Exceptional Children  
 EDSE 30013 Professional Roles & Responsibilities  
 EDSE 40213 Promoting Literacy in the Content Subjects  
 EDSE 50023 Effective Teaching and Classroom Implementation  
 EDSE 30001 Professional Practice Seminar  
 EDSE 40980 Student Teaching (6 semester hrs.)  
 --EDUC 40966 may be used to fulfill the Student Teaching requirement.

### Honors Program

Theatre majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in the Honors section of THEA 10053 in their freshman year, THEA 30003 in their junior year and THEA 40003 during the fall semester of their senior year.

### Theatre Courses for the Freshman Year

For students working toward the BFA in Theatre, **emphasis in acting, musical theatre, or no emphasis:**

#### FALL

THEA 10103: Art of the Theatre  
 THEA 10601: Theatre Production  
 THEA 20333: Acting I  
 THEA 10603: Stagecraft, **OR**  
 THEA 10613: Theatre Graphics  
 Plus TCU Core Curriculum courses

#### SPRING

THEA 10601: Theatre Production  
 THEA 20323: Movement for Actors  
 THEA 10603: Stagecraft, **OR**  
 THEA 10613: Theatre Graphics  
 Plus TCU Core Curriculum courses

For students working toward the BFA in Theatre, **emphasis in design:**

#### FALL

THEA 10103: Art of the Theatre  
 THEA 10601: Theatre Production  
 THEA 10603: Stagecraft  
 THEA 10613: Theatre Graphics  
 Plus TCU Core Curriculum courses

#### SPRING

THEA 10601: Theatre Production  
 THEA 20333: Acting I  
 ART 10103: Drawing I  
 Plus TCU Core Curriculum courses

For students working toward the BFA in Theatre, **emphasis in film & TV:**

#### FALL

THEA 10103: Art of the Theatre  
 THEA 10601: Theatre Production  
 RTVF 10113: History of Broadcasting  
 THEA 10603: Stagecraft, **OR**  
 THEA 10613: Theatre Graphics  
 Plus TCU Core Curriculum courses

#### SPRING

THEA 10601: Theatre Production  
 THEA 20333: Acting I  
 THEA 10603: Stagecraft, **OR**  
 THEA 10613: Theatre Graphics  
 Plus TCU Core Curriculum courses

For students working toward the BFA in Theatre, **emphasis in production:**

#### FALL

THEA 10103: Art of the Theatre  
THEA 10601: Theatre Production  
THEA 10603: Stagecraft  
THEA 10613: Theatre Graphics  
Plus TCU Core Curriculum courses

#### SPRING

THEA 10601: Theatre Production  
THEA 20333: Acting I  
THEA 20713: Practical Costuming  
Plus TCU Core Curriculum courses

#### Courses of Instruction

**THEA 10001 Theatre Symposium and Production.** An introductory course for theatre majors and minors exploring the various facets of theatre including production procedures and discipline through class discussion. This class culminates in a realized studio production utilizing all class members.

**THEA 10053 Survey of Theatre Arts.** An introductory course covering all aspects of the art of theatre concentrating on the history of Western drama through examination of production and performance techniques and the form and structure of drama.

**THEA 10103 Art of the Theatre.** An introductory course for theatre majors and minor exploring the various components of theatre, including production and theory, through lectures and class discussion.

**THEA 10203 Survey of Musical Theatre.** Introduction to and examination of the important lyricists, librettists, choreographers and directors of the American Musical Theatre. Lecture and film promote an understanding of the collaborative process that integrates the elements of theatre, music and dance.

**THEA 10301 Theatre Performance.** Prerequisite: Permission of the instructor. Practical experience in acting, for freshmen and sophomores, related directly to major roles in TCU stage productions. May be repeated for credit for 1 - 8 hours.

**THEA 10433 Freshman Seminar in Theatre.** Topics may vary each time it is offered.

**THEA 10601 Theatre Production.** Practical experience in all facets of theatre production, related directly to major stage presentations. 1-8 hours.

**THEA 10603 Stagecraft.** An introduction to technical theatre. Includes basic technical information and practical experience in scenic construction, rigging, handling and painting of scenery for the stage. A lab is required for this class.

**THEA 10613 Theatre Graphics.** Students will learn to read and produce the various graphic work necessary to communication in the theatre. The course covers such elements as ground plans, elevations, section drawings, light plots, figure drawing, perspective drawing and rendering techniques. A lab is required for this class.

**THEA 10703 Stage Makeup.** (Open to majors and minors only.) A laboratory course in modeling with theatrical makeup materials designed to acquaint the student with the basic techniques of makeup for the stage.

**THEA 20103 Script Analysis.** The examination and analysis of the structure and content of scripts for interpretation and conceptualization for theatre directors, designers, actors, and technicians.

**THEA 20303 Voice and Articulation.** Prerequisite: Theatre major or permission of instructor. Laboratory course to analyze and develop vocal awareness of skills needed for stage performance.

**THEA 20323 Movement for Actors.** Prerequisite: Theatre major or permission of instructor. Laboratory course to analyze and develop physical performance skills needed for stage performance.

**THEA 20333 Acting I.** Introduction to acting focusing on freeing inhibitions, developing a working understanding of basic acting techniques and the pursuit of dramatic action.

**THEA 20343 Acting II.** Prerequisite: THEA 20333 or permission of instructor. Continuation of 20333 focusing on character development and relationships through exercises and scene work.

**THEA 20503 Introduction to Stage Lighting.** Basic lighting design and implementation for theatrical production with emphasis on the technical aspects of lighting.

**THEA 20603 Rendering.** Prerequisites: THEA 10613. A course in creating and presenting scenery and costume designs for the theatre, including various rendering theories and procedures covered in lectures, demonstrations and in-class lab assignments.

**THEA 20613 Stage Management and Sound Design.** Prerequisite: THEA 10603. A course in the theory and practice of stage management and sound design in the theatre, including research, preparation and practice.

**THEA 20713 Practical Costuming.** Introduction to fundamentals of costume studio management, theatrical sewing techniques, theatrical supplies and fabrics, painting and dyeing, costume properties and accessories, personnel and the process of developing costumes for theatrical productions. A lab is required for this class.

**THEA 30003 Junior Honors Seminar.** Directed readings in the works of a major playwright or in the writings of a major period of theatre history. Students with unusual creative ability may be permitted to direct, choreograph, design a production, or perform a demanding role. Analytical papers will be required.

**THEA 30103 Theatre History I.** History of theatre from its origins in ancient Greek Civilization to the Renaissance.

**THEA 30113 Theatre History II.** Theatre history and dramatic literature from the Restoration to the present.

**THEA 30123 The London Theatre.** This is a London based course. It is designed primarily to take advantage of what this great theatre-going city has to offer. The plays and performances in the city's repertory during the semester will determine part of its content. One point should be noted: this course entails a good deal of reading of both plays and criticism and is dependent on it. Four or more plays will be studied in depth, but students taking this course will be expected to acquaint themselves with at least four others.

**THEA 30133 Playwriting.** Laboratory studio course in the study and practice in the art of writing plays for the theatre, including dramatic structure, dialogue, and characterization. Students will complete a variety of writing assignments, including a one-act play.

**THEA 30301 Advanced Theatre Performance.** Prerequisite: Permission of the instructor. Practical experience in acting, for juniors and seniors, related directly to major roles in TCU stage productions. May be repeated for credit, for 1 - 8 hours.

**THEA 30303 Acting III.** Prerequisite: THEA 20343 or permission of instructor. A student actor's introduction to classical acting techniques. A laboratory class exploring approaches to language based classical text (both verse and prose), designed to develop skills applicable to a variety of period performance styles.

**THEA 30313 Voice and Text.** Prerequisite: THEA 20303, theatre major and permission of instructor. Laboratory course designed to further expand vocal skills through their application to a variety of texts, and the mastery of the tools of phrasing, stressing, and inflection for clear communication.

**THEA 30323 Stage Combat.** Prerequisite: THEA 20323 or permission of instructor. A performance course to analyze and develop the physical performance skill of stage combat in the areas of Unarmed Combat, Quarterstaff, and Rapier and Dagger sword work.

**THEA 30333 Advanced Movement for Actors.** Prerequisites: THEA 20323. Advanced physical training for stage actors, including work on body alignment, space and picturization, and conditioning and breathing techniques.

**THEA 30403 Directing.** Prerequisite: THEA 20343 or permission of instructor. Laboratory course exploring the fundamentals of directing for the stage, emphasizing application of script analysis, composition, picturization, movement, stage business, focus and rhythm through a realized project.

**THEA 30513 Computer Graphics for Theatre.** Prerequisite: THEA 10613. Study and practice in computer technology related to design in the theatre.

**THEA 30600 Design/Technical Workshop.** An individual study course designed to allow students to develop their skills by working through the design process in assigned theatre projects. 1-3 hours.

**THEA 30601 Advanced Theatre Production.** Prerequisites: THEA 10601 and/or permission of instructor. Practical experience in theatre production leadership, directly related to major stage presentations. Development of organizational and personnel supervision skills.

**THEA 30623 Scene Painting.** Prerequisite: THEA 10603. Practicum in the techniques of painting scenery for the stage.

**THEA 30630 Scene Design.** Prerequisite: THEA 10613 or permission of instructor. Basic principles and techniques of scene design explored through rendering and model building. 3-12 semester hour, 3 hours maximum per semester.

**THEA 30713 Pattern Drafting and Draping.** Prerequisite: THEA 20713 or permission of instructor. Laboratory techniques in drafting patterns for historical costumes.

**THEA 30720 Costume Design.** Prerequisite: THEA 10613 or permission of instructor. Basic principles of costume design explored through the study of fabric and rendering. 3-12 semester hour, 3 hours maximum per semester.

**THEA 30800 Theatre Internship.** Theatre Internship.

**THEA 40003 Senior Honors Seminar.** Students with outstanding talent may use the design or directing of a production or the performance of a demanding role as material for an analytical paper.

**THEA 40123 History of Scene Design.** An examination of the evolution of scenic art from the Renaissance to the present through the use of slides and lecture with special attention given to the similarities in easel painting and architectural movements as they influenced the scenic art.

**THEA 40133 History of Costume.** A lecture/discussion course covering the major historical periods of Western dress in which students learn to research and develop specific projects.

**THEA 40143 Modern Trends in Theatre.** This course, usually taught in London, illumines the complex process of making theatre. Through an examination of contemporary artists and institutions, the course examines: Whose theatre is it actor, playwright, director, producer, or audience/critic?

**THEA 40203 Musical Theatre Performance.** Prerequisite: THEA 20343. Music laboratory course exploring and refining techniques necessary for musical performance. Emphasis on integration of acting, singing and dancing through performance.

**THEA 40213 Advanced Musical Theatre Performance.** Prerequisites: THEA 20343, 40203. Advanced music laboratory course exploring and refining techniques necessary for musical performance. Emphasis on integration of acting, singing and dancing through performance.

**THEA 40302 Musical Theatre Dance.** A performance dance class, which will be structured in some semesters as a survey of dance styles used in musical theatre (tap, jazz, ballet), and in other semesters as a focus on one of these styles in preparation for a specific upcoming production. This class may be repeated for credit.

**THEA 40303 Acting IV.** Prerequisite: THEA 30303 or permission of instructor. An advanced laboratory course

exploring styles of acting; including absurdism and non-traditional acting approaches to classical literature.

**THEA 40353 On-Camera Acting.** Also RTVF Prerequisite: THEA 30303 or permission. An advanced course in acting designed to acquaint the student with changes in technique that are necessary for performance before the film or television camera.

**THEA 40403 Playwriting.** An introduction to the techniques, vocabulary and discipline required by a playwright. Each student will complete a variety of writing assignments, including a one-act play by the end of the semester.

**THEA 40423 Advanced Directing.** Prerequisite: THEA 30403 or permission of instructor. Continuation of 30403 with greater emphasis on the fundamentals of directing through an extensive realized directing project developed by the student.

**THEA 40543 Advanced Stage Lighting.** Prerequisite: THEA 30503 or permission of instructor. Course of study in the aesthetics of stage lighting and special effects.

**THEA 40553 Dance Lighting.** Prerequisite: THEA 30503 or permission of instructor. A lecture/lab course in the development of dance lighting design and implementation with a study of various designers and their techniques.

**THEA 40603 Advanced Stagecraft.** Prerequisite: THEA 10603. An advanced course in technical theatre, including advanced study and practical work in scenic construction, rigging, handling and painting of scenery for the stage.

**THEA 40800 Individual Study in Theatre.** Independent research or studio/ performance projects in any facet of theatre study. 3-6 hours.

**THEA 40853 Managing a Performance Career.** Prerequisite: Theatre major or permission of instructor. A study of business practices designed to help the graduating student locate and secure employment in the performing arts, musical theatre, theatre commercials, television and film.

**THEA 40970 TCU in London.** Directed Study.

**THEA 50300 Problems in Acting.** Prerequisite: Permission of instructor. Projects in acting utilizing scenes or roles for study and performance. 1-6 semester hours.

**THEA 50400 Problems in Directing.** Prerequisite: Permission of instructor. Individual projects for the advanced study of directing. 3-6 semester hours.

**THEA 50500 Problems in Stage Lighting.** Prerequisite: permission of instructor. Individual projects for the advanced study of stage lighting. 1-3 semester hours.

**THEA 50600 Problems in Scenography.** 3-6 semester hours.

**THEA 50700 Problems in Costuming and Makeup.** Individual or class projects in one area: costume design, costume research, makeup prosthetics/mask construction, wig making, rendering techniques, plastics and elastic; jewelry making. 3-6 hours.

**THEA 50733 Advanced Pattern Drafting.** Techniques in drafting complex period and other costume patterns for the stage.

**THEA 50743 Advanced Costume Design.** Prerequisite: THEA 50733. Practicum in the techniques of design and rendering.

**THEA 50800 Theatre Internship.**

**THEA 50803 Theatre Management.** The administrative and fiscal techniques of managing performing arts groups.



## AddRan College of Humanities & Social Sciences

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### Overview

The University was founded as AddRan Male and Female College, and its largest and most central academic unit continues to carry the distinctive name that Addison and Randolph Clark devised for their school.

AddRan College also continues TCU's well-developed tradition of emphasis on the liberal arts. The college's faculty and programs provide a sound foundation for a lifetime of intellectual growth and preparation for the multiple careers that most will experience in the twenty-first century. Courses in the humanities and social sciences form a major part of the core studies of all University students and concentrated effort in one AddRan area can provide the base for future personal and vocational choices.

Degree programs within AddRan vary widely. Some provide the solid liberal arts base needed for professional study toward the ministry, law, medicine, business, teaching, and related fields. Some have a professional orientation within themselves, with specialized study leading toward specific career objectives.

In all of the programs, students will find flexibility and freedom balanced by structure and discipline.

AddRan's academic advisement system is part of its intent to help individual students meet their educational needs. Faculty members in each academic program serve as advisors. Students are expected to meet with their advisors at least once each semester as they plan studies for the next term, and appointments are encouraged at other times when students feel the need to discuss their academic options. All first year students, whether entering Freshmen or transfers, are required to see an advisor prior to registering. Names of advisors are available at the departments concerned. All Freshmen and pre-majors are advised through the Center for Academic Services.

### Organization

AddRan College is organized into ten departments, two interdepartmental programs, two units of Reserve Officers' Training Corps, and one academic service unit.

#### Departments:

Design, Merchandising, and Textiles

Economics

English

History

Modern Languages and Literatures

Philosophy

Political Science

Religion

Sociology, Criminal Justice and Anthropology

Spanish

#### Cooperative programs:

Master's in Education (3-2 program

With School of Education)

Master of Business Administration (3-2 program

with M.J. Neeley School of Business)

#### Reserve Officers' Training Corps:

Aerospace Studies, Air Force ROTC

Military Science, Army ROTC

#### Academic Service Unit:

English Language Center

#### Residence Study Abroad:

TCU Fashions, Foods, Furnishings and Cultural Tour of Europe.

TCU Summer Study Tours in Europe.

TCU Summer Study Courses in Italy, Great Britain, and Germany.

Administrative offices for AddRan College are on the first floor of Dave Reed Hall. Reed Hall also houses departmental offices of English, History, Modern Languages, Philosophy, and Spanish. Political Science is in M. E. Sadler Hall. Sociology, Criminal Justice and Anthropology is in the Sociology Building. Design, Merchandising, and Textiles is in the DEMA Building. Religion is in Theodore Beasley Hall. Economics is in the Economics Building.

### Degree Programs

AddRan College administers programs which lead to the following baccalaureate degrees:

**The Bachelor of Arts** degree with majors in the following fields:

Anthropology

Economics

English

Geography

History  
 Philosophy  
 Political Science  
 Religion  
 Sociology  
 Spanish

**The Bachelor of Science** degree with majors in the following fields:

Economics  
 Fashion Merchandising  
 Interior Design  
 International Economics  
 Political Science

**Professions program**

The Bachelor of Science in Criminal Justice degree.

**Approved Minors**

Asian Studies  
 Anthropology  
 British and Colonial/Post-Colonial Studies  
 Classical Studies  
 Criminal Justice  
 Economics  
 English  
 French  
 Geography  
 German  
 History  
 Japanese  
 Lighting for Visual Presentation  
 Merchandising and Textiles  
 Philosophy  
 Political Science  
 Religion  
 Sociology  
 Spanish  
 Women's Studies

In addition, minors are accepted from the other colleges and schools at TCU. Students seeking a minor from the School of Education must obtain the approval of the office of the Dean of the School of Education.

**The Bachelor of Arts Degree**

Students pursuing a program leading to a Bachelor of Arts degree must complete a minimum of 124 semester hours, 42 of which must be advanced (30000 level or above) from TCU, with a major selected from the approved list of majors below and a minor chosen in consultation with the student's advisor. The specific number of hours required for the major and minor may be found in the appropriate section of the Bulletin.

A maximum of 36 semester hours in any one subject field may be counted toward the 124-semester-hour minimum required for the Bachelor of Arts degree. English 10803 or 10833 and English 20803 are excluded from the 36-semester-hour maximum for students majoring in English.

In addition, students must complete the TCU Core Curriculum (TCU CC) described elsewhere in this Bulletin.

**FOREIGN LANGUAGE REQUIREMENT.** All students pursuing the Bachelor of Arts degree in AddRan College must demonstrate competency in a foreign language equivalent to the completion of one of the following:

FREN 20063 Fourth Semester College French  
 GERM 20063 Intermediate German  
 GREE 20063 Fourth Semester College Greek (Hellenistic)  
 ITAL 20063 Fourth Semester College Italian  
 JAPN 20063 Fourth Semester College Japanese  
 SPAN 20203 Intermediate Spanish

This requirement may be satisfied by either satisfactory completion of coursework taken at or transferred to TCU or by presenting satisfactory scores on recognized standardized tests (i.e., AP, CLEP or SAT II). Required scores on standardized tests may be found in the Credit by Exam booklet available from the Office of Admissions. For languages not currently taught at TCU, six semester hours at the sophomore-level, transferred to TCU from another accredited institution, may be used to satisfy this requirement. Students may also provide evidence of competency in the non-English language by successfully completing one academic year in a secondary or post-secondary institution in which the language of instruction is other than English, for which the student will receive 12 hours of credit.

**NOTES:**

1. No more than eight (8) semester hours of Physical Education activity courses may be applied toward graduation requirements.
2. Specific courses have been approved to meet the Core Curriculum. These courses are so identified in the schedule of classes for each term's offerings.

**Approved majors for the B.A. degree:**

Anthropology  
Economics  
English  
Geography  
History  
Philosophy  
Political Science  
Religion  
Sociology  
Spanish

### **The Bachelor of Science Degree**

Students pursuing a program leading to a Bachelor of Science degree must complete the minimum number of semester hours (typically 124 or 132), 42 of which must be advanced (30000 level or above), specified for their particular major chosen from the list of approved majors for a B.S. degree below. Specific requirements of each major are to be found in the appropriate section of this bulletin. Where a minor is called for, it is to be selected with the assistance of the student's adviser from the list of approved minors.

In addition to the specific requirements, students must complete the TCU Core Curriculum described elsewhere in this Bulletin.

#### **NOTES:**

1. No more than eight (8) physical activities courses may be applied toward graduation requirements.
2. Specific courses have been approved to meet the Core Curriculum. These courses are so identified in the schedule of classes for each term's offerings.

### **Approved Majors for the B.S. Degree**

Economics  
Fashion Merchandising  
Interior Design  
International Economics  
Political Science

**Other Bachelor of Science Degrees.** All policies relevant to the Bachelor of Science degree also apply to the degree of Bachelor of Science in Criminal Justice.

### **Multiple Majors**

Students with a first major in AddRan may declare an additional major in lieu of or in addition to a minor. The additional major may be selected from the other colleges and schools at TCU. Students seeking an additional major in a school other than AddRan must have the approval of the dean of AddRan and the dean of the additional major.

Students with a first major in another TCU school or college may select additional majors from those available in AddRan with the approval of the dean of the school or college of the first major and the dean of AddRan. Students who seek a second major from AddRan, if that major is one approved for the B.A., must satisfy the foreign language requirement described above.

The degree awarded will be that appropriate to the major designated as the first major. All degree requirements for each major must be satisfied. These include all TCU Core Curriculum Requirements (TCU CC) associated with any particular major as well as all associated requirements.

### **Pass/No Credit Option**

Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. The P/NC option is not allowed in any English as a Foreign Language course offered by the English Language Center.

### **Transfer Credit**

Students wishing to take courses at another college or university following their admission to Texas Christian University must receive approval of such courses through the office of the Dean of AddRan College before enrolling in them.

### **Courses of Instruction**

**ADRN 20903 Ideas of Leadership.** An examination of the concept of leadership and various ideals of leadership from various points of view in the humanities and social sciences. Models of "the good leader" from a variety of classical and contemporary sources will be analyzed and compared. A number of famous historical leaders will be evaluated in terms of the models presented.

**LAST 40003 Latin American Studies Seminar.** Prerequisites: Senior standing all required core courses for the Latin American Studies major. A critical study of contemporary Latin America from various perspectives within the social sciences, the humanities, and the arts, among others.

## Aerospace Studies

[Programs Available](#)

[General Qualifications](#)

[Courses of Instruction](#)

### (AEST)

The United States Air Force Reserve Officer Training Corps (AFROTC) provides women and men at Texas Christian University, Texas Wesleyan University, Dallas Baptist University, University of Texas at Arlington, Embry Riddle Aeronautical University, Weatherford College and Tarrant County College the education and training necessary to develop the management and leadership skills vital to professional Air Force officers.

Enrollment in the General Military Course (first two years) is voluntary for eligible students and does not obligate non-scholarship students for further military service. The Professional Officer Course (last two years) is also voluntary but competitive. Because the POC leads to a commission in the United States Air Force, those selected to continue training will incur military obligation.

Aerospace studies courses are taken concurrently with other degree programs. No degree is offered in aerospace studies, but up to 24 semester hours may be earned in aerospace studies over the four-year period. Some of the classes may be used to meet major elective requirements. See your academic advisor for confirmation. Students who enroll in aerospace studies classes must attend both classroom and leadership laboratory classes at Texas Christian University, 2800 W. Lowden St., Fort Worth, Texas. The laboratory classes give students first hand experience in developing leadership and organizational skill while preparing them for enrollment in the Professional Officer Course.

### Programs Available

**Four Year Program:** This program enables students to take advantage of four years of aerospace studies courses. Each semester, for the first two years, cadets take a one-credit hour academic class and a one-credit hour pass/no credit Leadership Laboratory (LLab). The first two years collectively are referred to as the General Military Course (GMC). Upon successful completion of the GMC and an ensuing four-week Air Force paid field training course, qualified and selected students may elect to enroll in the final two years referred to as the Professional Officer Course (POC). Each semester in the POC, students will take a three-credit hour academic class and a one-credit hour pass/no credit LLab. AFROTC uniforms and textbooks are issued by the unit.

**Two Year Program:** This program is commonly known as the Professional Officer Course (POC) and enables eligible graduate and undergraduate students to obtain a commission in the United States Air Force. Formal selection for entering the POC requires completion of a summer field training course.

Students electing this option must apply to the Professor of Aerospace Studies early in their sophomore year or before entering a graduate degree program, pass the Air Force Officer Qualifying Test, and pass a physical examination prior to attending the field training course. Two-year students enrolled in the POC receive similar benefits and advantages to those enrolled in the four-year program, including the opportunity to apply for various Air Force ROTC college scholarships. Students selected for the POC receive a monthly subsistence allowance.

### General Qualifications

A student enrolling in AFROTC must:

1. Be a full-time student (12 semester hours or more; 9 hours for postgraduate students)
2. Be a United States citizen
3. Be in good physical condition/health
4. Have good moral character
5. Be no older than 34 years old upon commissioning

**Scholarships.** Air Force ROTC offers 4, 3, 2, and 1 year (in some situations) scholarships. Scholarships pay for most of tuition, textbooks, and fees plus a monthly, nontaxable stipend during the school year. Scholarships are offered in various majors. In addition to meeting the general qualifications mentioned above, scholarship applicants must be at least 17 years of age when the scholarship is activated and must be under 27 years of age as of June 30 of their commissioning year. Individuals with previous military experience may obtain a year extension of the maximum age restriction for up to 3 years of prior service. Requirements for each scholarship category may vary; therefore, applicants should contact the Department of Aerospace Studies at (817) 257-7461 for specific details.

High School students may apply for a 4-year scholarship no later than Dec. 1 of their high school senior year. Scholarship applications for college students are made through the Aerospace Studies Department in the spring semester. Scholarship applicants are selected using the whole person concept, which includes objective factors (i.e. grade point average and physical fitness test) and subjective factors (i.e. personal evaluations). Students who are enrolled in Air Force ROTC generally improve their scholarship selection opportunity.

Those students who are offered an AFROTC scholarship with an SAT of 1100 or ACT of 24, and who attend TCU, may be offered a TCU Room and Board subsidy. Three-year scholarship winners with the above scores may also receive an additional semester of tuition paid if attending TCU.

**Program Benefits.** As Air Force ROTC cadets, students are entitled to selective benefits. Social and co-curricular

activities, together with leadership and academic training, are all part of Air Force ROTC. Contracted cadets receive a nontaxable subsistence allowance each month during the school year. The detachment sponsors a Civil Air Patrol where cadets can obtain front-seat and back-seat flying time in Cessna aircraft for a small fee. Drill team, honor guard, Arnold Air Honor Society, and Silver Wings Service Organization are just a few social outlets for the cadets. Summer opportunities for cadets can include a paid visit to a military installation for 5 days, Rising Sophomore Program (4 weeks paid visit to a military installation - shadowing program), Freefall Parachuting, Combat Survival Training, Flight Nurse shadowing, and cadet training assistant duty at field training.

**Receiving Commission.** Upon successful completion of the AFROTC program and baccalaureate or graduate degree, a student will be commissioned a second lieutenant in the U. S. Air Force. Newly commissioned officers can normally expect to be called into active service within 60 days from the date of their commissioning. In some instances, active service can be delayed by students continuing in post-baccalaureate degree programs.

**Additional Information.** More detailed information about the Air Force ROTC program is available through the Department of Aerospace Studies. The department is located at 2800 W. Lowden Street on the Texas Christian University campus. The telephone number is (817) 257-7461 or call 1-800-TCU-FROG and ask for Air Force ROTC.

### Courses of Instruction

**AEST 10001 Leadership Lab.** The Leadership Lab (LLab) also includes studying the environment of an Air Force officer and learning about areas of opportunity available to commissioned officers. The AS3000 and AS4000 LLabs consist of activities classified as leadership and management experiences. They involve the planning and controlling of military activities of the cadet corps; and the preparation and presentation of briefings and other oral and written communications. LLabs also include interviews, guidance, and information which will increase the understanding, motivation, and performance of other cadets.

**AEST 10211 Foundation of the United States Air Force.** Air Force AEST 10211 in the fall and 10221 in the spring: A survey course designed to introduce students to the U.S. Air Force and Air Force ROTC. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. Leadership Laboratory 10001 complements this course by providing cadets with followership experiences.

**AEST 10221 Foundation of the United States Air Force.** Air Force AEST 10211 in the fall and 10221 in the spring: A survey course designed to introduce students to the U.S. Air Force and Air Force ROTC. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. Leadership Laboratory 10001 complements this course by providing cadets with followership experiences.

**AEST 20211 The Evolution of USAF Air and Space Power.** Air and Space Power (AEST 20211 in the fall and 20221 in the spring): A survey course designed to examine general aspects of air and space power through a historical perspective. Utilizing this perspective, the course covers a time period from the first balloons and dirigibles to the space-age global positioning systems of the Persian Gulf War. Historical examples are provided to extrapolate the development of Air Force capabilities (competencies), and missions (functions) to demonstrate the evolution of what has become today's USAF air and space power. Furthermore, the course examines several fundamental truths associated with war in the third dimension: e.g. Principles of War and Tenets of Air and Space Power. As a whole, this course provides the student with a knowledge level understanding for the general element and employment of air and space power, from an institutional, doctrinal, and historical perspective. In addition, the students will continue to discuss the importance of the Air Force Core Values with the use of operational examples and historical Air Force leaders and will continue to develop their communication skills. In addition, Leadership Laboratory is mandatory for Air Force ROTC cadets (not special students), and it complements this course by providing cadets with followership experiences.

**AEST 20221 The Evolution of USAF Air and Space Power.** Air and Space Power (AEST 20211 in the fall and 20221 in the spring): A survey course designed to examine general aspects of air and space power through a historical perspective. Utilizing this perspective, the course covers a time period from the first balloons and dirigibles to the space-age global positioning systems of the Persian Gulf War. Historical examples are provided to extrapolate the development of Air Force capabilities (competencies), and missions (functions) to demonstrate the evolution of what has become today's USAF air and space power. Furthermore, the course examines several fundamental truths associated with war in the third dimension: e.g. Principles of War and Tenets of Air and Space Power. As a whole, this course provides the student with a knowledge level understanding for the general element and employment of air and space power, from an institutional, doctrinal, and historical perspective. In addition, the students will continue to discuss the importance of the Air Force Core Values with the use of operational examples and historical Air Force leaders and will continue to develop their communication skills. In addition, Leadership Laboratory is mandatory for Air Force ROTC cadets (not special students), and it complements this course by providing cadets with followership experiences.

**AEST 30113 Leadership Studies.** Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course.

**AEST 30123 Leadership Studies.** Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course.

**AEST 40113 National Security Affairs/Preparation for Active Duty.** Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. An additional Leadership Laboratory complements this course by providing advanced leadership experiences, giving students the opportunity to apply the leadership and management principles of this course.

**AEST 40123 National Security Affairs/Preparation for Active Duty.** Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining

communication skills. An additional Leadership Laboratory complements this course by providing advanced leadership experiences, giving students the opportunity to apply the leadership and management principles of this course.

## Anthropology

[Requirements for the B.A. degree with a major in Anthropology.](#)

[Requirements for a minor in Anthropology.](#)

[Courses of Instruction](#)

### (ANTH)

Administered by the Department of Sociology, Criminal Justice, and Anthropology. Available as a major on the B.A. degree and a minor on the B.A. and B.S. degrees.

Anthropology is the holistic description and analysis of human beings in all their diversity. Anthropology emphasizes a cross-cultural and global perspective, and seeks to understand of our species, *Homo sapiens*, both throughout time and in many different geographical regions. Anthropology is divided into four fields: sociocultural anthropology, archaeology, physical anthropology, and linguistic anthropology. Anthropologists study a wide range of topics, including: gender and ethnicity, race, material artifacts, human evolutionary history, genetic diversity, medicine and healing, globalization, economic systems and social change, violence and social suffering, sociocultural systems of past societies, the rise of complex civilizations, language and culture, urbanization, religion and ritual, and the effect of the mass media. Anthropologists conduct their research in many different places throughout the world, including: Mexico, Belize, Brazil, Germany, Japan, and the United States.

Anthropology is an important component of a liberal arts education, as it complements a wide variety of other disciplines, encourages analytical thinking, and fosters a holistic approach to learning. The undergraduate program in anthropology can provide a foundation for the pursuit of advanced degrees in anthropology and other disciplines such as law, medicine, social work, public health, education, and history. Anthropology's focus on understanding different cultures makes it a particularly good preparation for work that deals with international and global issues, public policy, and cultural diversity. Anthropology graduates use their degrees in a wide range of fields such as government service, museums, international organizations, business, education, advocacy, public policy analysis, market research and health care.

### Requirements for the B.A. degree with a major in Anthropology

30 semester hours, at least 24 of which must be in Anthropology, including at least nine hours from the following:

ANTH 20613 Introduction to Physical Anthropology

ANTH 20623 Introductory Cultural Anthropology

ANTH 20633 Introduction to Archaeology

ANTH 20643 Language and Culture

A maximum of six hours from outside the program may be applied toward the major upon approval of the Anthropology faculty. Some of the courses approved in the past have included:

ART 20113 New World: Survey of American Art

HIST 30943 The Spanish Borderlands

HIST 40703 Indians of the United States

HIST 40713 Indians of the Greater Southwest

RELI 30343 Black Religion in America

RELI 30553 African Religions

Courses taken through the Departamento de Antropologia of Universidad de las Americas (Puebla, Mexico) or the Pontificia Universidad Catolica de Peru (Lima, Peru) may be accepted towards the major or minor with approval of the TCU Anthropology faculty.

**Pass/No Credit Option.** Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in Anthropology are subject to the pass/no credit policy of their major department.

### Requirements for a minor in Anthropology

Eighteen semester hours of anthropology courses, including at least 6 hours from among the following:

ANTH 20613 (Introduction to Physical Anthropology)

ANTH 20623 (Introductory Cultural Anthropology)

ANTH 20633 (Introduction to Archaeology)

ANTH 20643 (Language and Culture)

### Courses of Instruction

**ANTH 10433 Freshman Seminar in Anthropology.** Topics may vary each time it is offered.

**ANTH 10533 Freshman Seminar in Anthropology.** Topics may vary each time it is offered.

**ANTH 20613 Introduction to Physical Anthropology.** An introduction to the theories and methods of physical anthropology. Scientific study of human origins and evolution as reconstructed from the fossil record; patterns of anatomical, behavioral, and genetic similarities among the primates; applications of physical anthropology, such as forensic anthropology.

**ANTH 20623 Introduction to Cultural Anthropology.** An introduction to the theories and methods of cultural anthropology. Comparative study of modern and historic cultures around the globe. Exploration of the meanings ascribed to human experience. Emphasis on such topics as: relativism, culture change, kinship, gender, globalization, identity, religion, sexuality, ritual, social stratification, ethnicity.

**ANTH 20633 Introduction to Archaeology.** An introduction to the theory, methods, and techniques of archaeology and a review of selected findings. History and development of archaeology, field and laboratory methods, the evolution of humanity and culture, reconstruction and processual interpretation.

**ANTH 20643 Language and Culture.** An introduction to linguistic anthropology. Anthropological analysis of the cultural and social aspects of language. Topics may include: linguistic relativism, performance theory and the ethnography of language, bilingualism and multiculturalism, sociolinguistics, legitimate languages and linguistic variation, and language and the constitution of personhood and structures of authority.

**ANTH 30003 Junior Honors Seminar in Anthropology.** Prerequisite: Permission of Instructor.

**ANTH 30373 Medical Anthropology.** Prerequisite: ANTH 20623 or consent of instructor. Cross-cultural survey of cultural diversity and similarity in the interpretation of health, illness, and healing systems. Examines the interrelationship of culture, society, and health from local and global perspectives. Particular emphasis on the interactions of western and other medical systems.

**ANTH 30623 Urban Anthropology.** Development and characteristics of urban societies and the culture of modern cities. Evaluation of theories and methods for understanding the structure, function and change in the social and cultural systems of urban areas.

**ANTH 30633 Anthropology and Sports.** The relationship between social science and the study of sports and other play forms; games and play in cross-cultural contexts; American sports and recreation.

**ANTH 30643 Anthropology and Education.** A comparative study of the teaching and learning processes in societies of differing complexity and cultural variability. Empirical data is examined from an anthropological perspective and in the context of theories about culture and perception, world view, rites of passage, culture and personality, and change.

**ANTH 30653 Culture and Human Sexuality.** This course examines the importance of culture for understanding human sexuality issues. Topics covered include biological, social, emotional, cognitive and spiritual issues related to sexuality. Contemporary political, legal and health issues are discussed critically, and gender is discussed as a cultural construct.

**ANTH 30673 Anthropology and Religion.** Prerequisites: ANTH 20623, RELI 10023 or RELI 10043 or consent of the instructor. Anthropological findings in the comparative study of religion and culture across a broad range of societies. Studies of sacred experience, myth, ritual, magic, witchcraft, religious language, gender and religion, healing, and relationships between social and religious change.

**ANTH 30713 Intermediate Archeology.** Prerequisite: ANTH 30613. A continuation of ANTH 30613, with an in-depth treatment of basic techniques, methods and concepts of archaeology and a continued update in recent archaeological discoveries, emphasizing North America. Concentrated research using published site reports and professional journals. Site visitations to excavations in process will be initiated whenever applicable.

**ANTH 30723 Ethnology of Selected Areas.** Origin and distribution of the native populations of selected areas. The historical development and current perspectives of institutions, belief and value systems, and comparative organization of cultural areas. Possible areas to be examined include Native North Americans, peoples of South America, peoples of Africa.

**ANTH 30773 Latin American Pop Culture.** Prerequisite: ANTH 20623 or consent of instructor. Anthropological perspectives on the relationship of Latin American pop culture to Latin American societies. Examines everyday cultural productions, such as dance, music, soccer, television, soap opera, Carnival, and other festivals. Particular attention given to popular culture as a key site where national, racial, gender, sexual, and class identities are constructed, commodified, contested, and globally circulated. Cultural case studies may include: Brazil, Mexico, Argentina, and Cuba.

**ANTH 30923 Studies in Anthropology.** Topics of interest in anthropology, including substantive areas of the discipline.

**ANTH 30933 Studies in Ethno-Archeology.** An examination of world cultures based on the results of information secured by technologists and archaeologists working in the field. The topical focus may vary each semester.

**ANTH 30983 Anthropological Field Methods.** Prerequisite: ANTH 20623, ANTH 20633 or permission of instructor. This course is offered as either a cultural anthropology or archaeology field school. Phases, methods, and problems of collection and processing in field and laboratory of ethnographic and archaeological data. Issues of public interaction, participant-observation, interviewing, survey, and excavation are addressed as appropriate to the setting.

**ANTH 40003 Senior Honors Research Paper.** Senior Honors Research Paper

**ANTH 40423 The Anthropology of Violence.** Prerequisites: ANTH 20623 or consent of instructor. An anthropological examination of the relationship between violence and culture. Ethnographic cases of violence in many different regions, such as Latin America, sub-Saharan Africa, South Asia, and Western Europe. Topics may include: civil war, ethnic conflict, crime and the structural 'violences' of poverty, racism, gendered violence, famine and disease, and the cultural construction and social consequences of fear.

**ANTH 40523 Mass Media and Culture.** Prerequisite: ANTH 20623 or consent of instructor. An anthropological examination of the relationship between mass media and culture. Particular emphasis on the impact of mass media on the production and consumption of cultural meaning and identities. Inquiry into representations of gender, sexuality, the body, ethnicity, social race, and nationhood in mass media discourses. Case studies of mass media in local spaces and global contexts.

**ANTH 40620 Directed Reading or Research in Anthropology.** For upper-division students who undertake projects in anthropology in regular consultation with the instructor, for one to three semester hours credit.

**ANTH 50623 Advanced General Anthropology.** An overview of the field, including archaeology, linguistics, ethnology, and physical anthropology. Description and analysis of the profession, its history, theoretical foci,



intellectual leaders and current ethical dilemmas. For advanced undergraduates and graduate students with opportunities to pursue individual interests within the field.

**ANTH 50923 Kinship and Social Organization.** Prerequisite: ANTH 20623 or permission of instructor. Principles of descent, kinship terminology and formation of descent groups, including an examination of specific terminological systems in relation to other features of social organization; the adaptive dynamics of family, groups, kinship, and extra-familial associations in simple and complex societies.

## Asian Studies

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### Overview

Available as a minor on the B.A. and B.S. degrees.

The Asian Studies minor offers the student multidisciplinary opportunities to study subjects concerning the peoples and cultures of Asia. Students are required to take 18 hours, selected from at least 3 departments, from a variety of courses focusing on the history and thought of the peoples in Asia. No more than nine hours may be taken in any one department, and at least nine hours must be at the 30000 level or above.

**Pass/No Credit Option.** Students minoring in Asian Studies are subject to the pass/no credit policy of their major department.

### CURRENTLY APPROVED COURSES

#### ECON 40970 ASIAN ECONOMICS

HIST 10943 ASIAN CIVILIZATIONS TO 1500  
HIST 10953 ASIAN CIVILIZATIONS SINCE 1500  
HIST 20943 HONORS ASIAN CIVILIZATIONS TO 1500  
HIST 20953 HONORS ASIAN CIVILIZATIONS SINCE 1500  
HIST 30433 HISTORY OF CHINA AND JAPAN TO THE 19TH CENTURY  
HIST 30443 HISTORY OF CHINA FROM 1800 TO THE PRESENT  
HIST 30453 HISTORY OF JAPAN FROM 1800 TO THE PRESENT  
HIST 40843 THE VIETNAM WAR

ONE SEMESTER OF COLLEGE JAPANESE (selected from JAPN 10163, 20053, OR 20063)  
JAPN 30113 JAPANESE CULTURE AND CIVILIZATION

#### PHIL 20333 ASIAN PHILOSOPHY

POSC 30303 INTERNATIONAL RELATIONS OF EAST ASIA  
POSC 30503 POLITICS OF CHINA

RELI 30523 EAST ASIAN RELIGIOUS PERSPECTIVES  
RELI 30533 BUDDHISM: THOUGHT AND PRACTICE  
RELI 30513 HINDU RELIGIOUS PERSPECTIVES  
RELI 30573 DAOISM AND CHINESE RELIGIONS  
RELI 30773 INDIA: TEXTS AND TRADITIONS

Course offerings may vary, and other courses may be allowed with approval of the minor coordinator when those courses focus on Asia.

For more information, contact the program coordinator, Dr. Andrew O. Fort in the Religion department.

## British and Colonial/Post-Colonial Studies

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### Courses of Instruction

#### **(BRST)**

This minor is designed to provide students with an understanding of the current state and history of Great Britain and its former and current colonies. It is interdisciplinary in nature, drawing upon departments and course offerings throughout the university, as well as the TCU London Centre. Through this minor, students become aware of how different areas of study, including art, film, history, journalism, literature, religion, and social behavioral and natural sciences, coalesce and contribute to the knowledge of a particular region. It also provides the student with a framework for investigating issues of globalization, such as the impact of colonization on nations and their history and the state of the former colonies in contemporary life.

**Requirements for a minor.** The minor requires completion of two core courses, a disciplinary concentration consisting of two courses, an elective course, and the senior seminar. The designated core courses draw from a variety of disciplines and are selected to complete the following goals: to provide the student with foundational knowledge about Great Britain, its history and culture, and the processes of change over time; and to provide the student with an introduction to the critical issues of Colonial/Post-Colonial Studies. The disciplinary concentration allows the student to develop an area of specialization-Communications, Fine Arts, Humanities, Natural Sciences, or Social Sciences-within the minor.

The minor is 18 hours. These 18 hours must draw from at least three different departments. A maximum of 6 hours can be completed at the 10000/20000 level and no more than 9 hours can be completed through the London TCU Centre. Special problems courses, independent study courses, courses taken through U.K. based study abroad programs, internships, and other courses of this nature may be included in the minor with the approval of the Program Director. For further information, including a list of eligible courses and a recommended plan of study, contact the Program Director or the AddRan Dean's Office.

**Pass/No Credit Option.** Students minoring in British and Colonial/Post-Colonial Studies are subject to the pass/no credit policy of their major department.

#### **Courses of Instruction**

**BRST 4003 Senior Seminar: British Colonial/Post-Colonial Study.** This is the capstone course for the minor, and includes readings in British and colonial/postcolonial studies and an independent project. The independent project is pursued in consultation with the program director, and aims to reflect on the student's work in the minor, to synthesize the skills developed through the student's coursework, and to consider how they might be applied after graduation. Projects may include: an original creative performance; a scientific investigation; a portfolio of critical writing; or a U.S.-based internship with an employer with substantial interests in Britain or the former colonies. All projects also require a journal documenting and reflecting on the student's progress.

**BRST 4090 Internship in Political Science/British Studies.** Washington Center or at the London Centre. Full-time internships with a public or private agency in Washington, D.C. or in London, England, offered either through the Washington Center or through TCU's London Centre. The internship will allow students to integrate theory and practice in a supervised professional setting, up to 12 semester hours credit. (Offered as BRST or POSC credit.)

**BRST 40920 London Internships.** 3-day or 4-day per week interns with public or private agencies in London, England, offered through TCU's London Center. Offered during the fall and spring terms, these internships accommodate students' long-term professional objectives. Internships are offered for either 9 or 12 semester hours credit. Most of the London interns also take one or two classroom courses while in London. (Offered either for BRST or POSC credit.)

## Business (3-2 Program)

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### Overview

AddRan College of Humanities and Social Sciences and M.J. Neeley School of Business offer a combined program leading to a bachelor's degree in Humanities and Social Sciences and a master's degree in Business Administration (MBA). The Three-Two Program, as it is called, takes five years to complete. (Note: Students intending to pursue the 3-2 program should make their plans known, as early as possible, to the AddRan Dean's Office.)

Students interested in the program spend the first three years in AddRan completing the TCU Core Curriculum and meeting the requirements of their major field. By the end of their third year, Three-Two Program students must complete at least 100 hours in non-business courses, including sufficient coursework in mathematics to satisfy the MBA Program prerequisites. To be considered for admission to the MBA Program, Three-Two Program participants must submit the usual MBA application during their third year of study, including scores for the GMAT (Graduate Management Admissions Test). Only Three-Two candidates demonstrating superior undergraduate academic performance and strong GMAT scores will be considered for admission.

If admitted to the MBA Program, the student completes the first 27 semester hours of the MBA Program during the fourth year of study. These courses apply to both the undergraduate degree and toward the MBA degree. Candidates should work with their undergraduate academic advisors to determine how the courses will apply to the undergraduate degree (electives, minor requirements, area of emphasis, etc.). At the end of the fourth year, assuming that all other graduation requirements are met, the student earns his or her undergraduate degree. The student must petition the Dean of AddRan to be awarded the undergraduate degree at this time. During the fifth year the student completes the remaining 27 semester hours of MBA courses.

## Classical Studies

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### Overview

Available as a minor on B.A. and B.S. degrees.

**Requirements for the minor in Classical Studies:** 18 semester hours, including at least 9 at the upper level, selected from at least three areas. Currently approved courses include:

ART 20003 Classical Tradition in Art  
ENGL 50253 Classical Rhetoric  
ENGL 50603 Classical Drama  
GREE 40970 Directed Studies in Greek  
HIST 30003 The Greek World  
HIST 30013 The Roman Empire and Republic  
PHIL 40213 History of Ancient and Medieval Philosophy

In addition, six hours of Greek or Latin at the 20000 level can be counted toward the minor. Other courses may be applied to the minor with the approval of the minor coordinator. Students are encouraged to take part in a Study Abroad program relevant to the minor.

**Pass/No Credit Option.** Students minoring in Classical Studies are subject to the pass/no credit policy of their major department.

## Criminal Justice

[Requirements for the B.S. in Criminal Justice Degree](#)

[Requirements for a minor in Criminal Justice.](#)

[Honors Program](#)

[B.S./M.B.A. 3-2 Program](#)

[Alpha Phi Sigma](#)

[Courses of Instruction](#)

### (CRJU)

Available as a major on the B.S. degree and as a minor on the B.A. and B.S. degrees.

Criminal Justice serves the academic needs and career objectives of a variety of students. The major in Criminal Justice can serve as preparation for further formal education in graduate or law school, as well as for immediate entry into careers in the criminal justice system. Courses may be selected to emphasize any of the three components of the criminal justice system: police, courts, or corrections. Alternatively, students may choose courses that provide exposure to special issues and problems in criminal justice. In addition, the internship program provides students opportunities to experience working in the criminal justice field.

Transfer students may receive a maximum of 9 hours credit in the major for criminal justice courses taken at accredited colleges and universities. A maximum of 6 hours may be counted toward the minor. The Director of the Criminal Justice Program will determine the applicability of such coursework to the program's degree requirements.

### Requirements for the B.S. in Criminal Justice Degree

A total of 124 semester hours is required. The degree does not require a foreign language. The major requires 42 hours in criminal justice courses and 3 hours in associated courses:

42 semester hours in Criminal Justice (CRJU) must include:

#### I. Required Criminal Justice Core Courses (21 hours)

CRJU 20413 Introduction to Criminal Justice

CRJU 20423 Critical Issues in Crime and Justice

CRJU 20873 Criminal Justice Research Methods I

CRJU 20883 Criminal Justice Research Methods II

CRJU 30313 Criminology

CRJU 30423 Courts and Judicial Procedure

CRJU 40963 Internship in Criminal Justice

#### II. Distribution Requirements

##### A. Law Enforcement (3 hours)

CRJU 30613 Police in a Free Society

CRJU 30623 Police and the Community

##### B. Law (3 hours)

CRJU 30433 Criminal Law

CRJU 30903 Law and Society

##### C. Corrections (3 hours)

CRJU 30393 Sociology of Corrections

CRJU 30643 Community Corrections

##### D. Diversity (3 hours)

CRJU 30833 Race Issues in Criminal Justice

CRJU 30823 Women in the Criminal Justice System

CRJU 40463 Juvenile Delinquency

CRJU 40503 White Collar Crime

#### III. Electives in Criminal Justice (9 hours)

##### Associated Requirement (3 hours)

SOCI 20213 Introductory Sociology

SOCI 20223 Social Problems

Although taught regularly, not all required courses are scheduled every semester. It is the student's responsibility to complete the major requirements for graduation as early in their tenure as possible. Exemptions to the major requirements will not be made because of student failure to complete coursework in a timely fashion.

**Pass/No Credit.** Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in Criminal Justice are subject to the pass/no credit policy of their major department.

### Requirements for a minor in Criminal Justice.

The minor in criminal justice requires 18 hours. CRJU 20413 Introduction to Criminal Justice and CRJU 30313 Criminology are required courses for the minor.

### Honors Program

Criminal Justice majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in CRJU 30003 during their junior year and CRJU 40003 during the fall semester of their senior year.

### **B.S./M.B.A. 3-2 Program**

Criminal Justice is an approved major for TCU's three-two program. A student completing this program will receive both a B.S. in Criminal Justice and a Master's in Business Administration over the course of five school years. Students should start this program early in their tenure at TCU and must be admitted to the M.J. Neeley School of Business. Students interested in federal law enforcement or in administrative/policy development positions within the criminal justice system are encouraged to apply.

### **Alpha Phi Sigma**

The Criminal Justice program sponsors a chapter of Alpha Phi Sigma, the national honor society in the discipline. Any major or minor in Criminal Justice with a 3.0 overall GPA and a 3.2 in criminal justice related courses is eligible.

### **Courses of Instruction**

**CRJU 20413 Introduction to Criminal Justice.** An examination of the history, theory, and structure of the criminal justice system in the United States, with an emphasis on the various components of the criminal justice process including police, the courts, corrections.

**CRJU 20423 Critical Issues in Crime and Justice.** An examination of the major controversies and issues confronting the criminal justice system. Emphasis is on development of critical thinking skills and their application to justice-related problems.

**CRJU 20873 Criminal Justice Research Methods I.** An introduction to criminal justice research procedures.

**CRJU 20883 Criminal Justice Research Methods II.** An introduction to criminal justice research procedures, with emphasis on the analysis and interpretation of data.

**CRJU 30003 Honors in Criminal Justice.** For Honors students and other selected superior students with permission of the Director of the Criminal Justice Program. Studies, reports, and discussions of the literature of criminal justice. Examination of significant problems and trends.

**CRJU 30223 Contemporary Topics in Criminal Justice.** An examination of topics of current interest in crime and justice. Topics change, therefore this course may be taken more than once.

**CRJU 30313 Criminology.** Prerequisite: SOCI 20213, or permission of instructor. An examination of crime in America, with focus on sociological theories of crime causation, treatment, and prevention. (Offered as CRJU or SOCI credit.)

**CRJU 30393 Sociology of Corrections.** The examination of correctional agencies and programs, including the social structure of prisons and its impact on the offender, deterrent and treatment effects of correctional practices, probation and parole, and an examination of various experiments in institutional and community based corrections. (Offered as CRJU or SOCI credit.)

**CRJU 30403 Legal Aspects of Criminal Justice I.** Prerequisite: 20413 or permission of instructor. An examination of major issues in criminal law and procedure emphasizing the police and the prejudicial process. The focus of the course is on the nature of criminal law, the basic elements of crime, legal issues in law enforcement such as search and seizure, interrogation, and basic evidentiary concepts.

**CRJU 30423 Courts and Judicial Process.** An examination of the American court system. Special topics will include a comparison of state and federal court systems, socialization processes within the legal profession, and an evaluation of the impact of politics on the judicial process.

**CRJU 30433 Criminal Law.** An examination of the major issues in criminal law and procedure emphasizing the basic elements of crime, search and seizure, interrogation, right to counsel, evidentiary concepts, pretrial release, and the appeals process.

**CRJU 30453 Juvenile Justice.** An examination of the law of juvenile delinquency and the administration of the juvenile justice system. The historical development of the concept of delinquency, the special status of juveniles before the law, and juvenile justice procedural law are examined in detail. CRJU 20413 is recommended but not required as a prerequisite.

**CRJU 30523 Crime Scene Investigation.** An introduction to the recognition, collection and evaluation of physical evidence arising from a crime or suspicious incident, concentrating on the various techniques of crime scene investigation including crime scene search, note-taking, sketching, photography, and preservation of evidence.

**CRJU 30533 Counseling Skills and Crisis Intervention in the Criminal Justice System.** An examination of theories and methods of professional intervention with emphasis on those professionals with clients in the criminal justice system. Focus is on the development of skills that can be applied to individuals, families, and groups in both community-based and institutional settings. This course is primarily for Criminal Justice majors and Social Work minors. (Offered as CRJU or SOWO credit.)

**CRJU 30543 Criminalistics.** An examination of the various techniques and instruments used to analyze organic and non-organic evidence obtained from crime scenes, with an examination of new techniques such as DNA analysis.

**CRJU 30613 Police in a Free Society.** An examination of the organization and administration of law enforcement agencies, the function of police, police discretion, ethics, police-community relations, and the future of policing in

American society.

**CRJU 30623 Police and the Community.** An examination of the relationship between police and the communities they serve. Topics include police and public opinion, police violence, citizen complaints, politics and the police function, police ethics, police and the media.

**CRJU 30643 Community Corrections.** An examination of the role of the community in the reintegration of offenders, with a focus on correctional programs designed to be administered in a community setting, including probation, parole, halfway houses, restitution, and community service.

**CRJU 30803 Victimology.** An examination of the major aspects of victimology. Topics include the historical role of victims, the nature of victimization in modern America, the victimization experience, legal aspects of victimization, victimization and the political process, solutions to victimization, and the future of victims' rights and victimology. (Offered as CRJU or SOCI credit.)

**CRJU 30823 Criminal Violence.** An examination of the various types of criminal violence and the criminal justice system's responses to it. Discussion topics include domestic violence, mass murder, serial killing, riots, and gang violence.

**CRJU 30833 Women in the Criminal Justice System.** Women in relation to the institutions of the American Justice system(s), with an emphasis on women as offenders, victims, and participants in the justice system.

**CRJU 30843 Race Issues in Criminal Justice.** Social, racial, and/or ethnic minorities in relation to the criminal justice systems of the United States.

**CRJU 30903 Law and Society.** An examination of the relationship between legal institutions and social processes. Topics include the nature of law, historical evolution of legal systems, creation and organization of law in modern societies, social functions of law, and the limits of law as an instrument of social control. (Offered as CRJU or SOCI credit.)

**CRJU 30913 Psychology and Criminal Justice.** Prerequisite: CRJU 20413, SOCI 20213 or PSYC 10213 or equivalent. An examination of the psychological and social psychological dimensions of criminal justice. Discussion topics will include: psychological and social psychological origins of criminal behavior, addiction and crime, insanity and the law, sex offenders, and eyewitness accounts.

**CRJU 30923 Organized Crime.** An examination of organized crime including its relationship to social structure, its historical development through groups such as the Italian/Sicilian Mafia, the extent and impact of modern and nontraditional organized crime syndicates, and prospects for its control.

**CRJU 30933 Crime and the Media.** An examination of the effects that the media have on the perception of crime, including discussion of the social construction of many myths that surround crime and criminal justice.

**CRJU 30973 Victimless Crime.** An examination of victimless crime highlighting its social control and social construction. Specific topics include gambling, prostitution, drug and alcohol use, and pornography.

**CRJU 40003 Senior Honors Paper in Criminal Justice.** For Honors students obtaining a B.S. in Criminal Justice. A research study and paper, under faculty direction, in some area of criminal justice.

**CRJU 40400 British Criminal Justice Travel Study.** British Criminal Justice Travel Study course.

**CRJU 40463 Juvenile Delinquency.** Prerequisite: SOCI 20213, or permission of instructor. An examination of the causes, treatment, and prevention of delinquency, with particular focus on the relationships between juveniles, clinics, and the court, and the philosophical, historical, and traditional foundations of juvenile law. (Offered as CRJU or SOCI credit.)

**CRJU 40503 White Collar Crime.** An examination of white collar and organizational crime addressed from a sociological perspective. Emphasis is placed on the nature, extent, and costs of white collar crime, with special attention to the social structural and organizational forces which give rise to such crimes.

**CRJU 40603 Political Violence: Genocide and Terrorism.** An examination of the sources, evolution, and outcomes of political violence, with a particular emphasis on genocide and terrorism. Phenomena of interest will include revolution and revolutionary movements, political terrorism, civil war, riots, genocide, and more.

**CRJU 40903 Ethics in Criminal Justice.** Prerequisite: CRJU 20413. An examination of the major value dilemmas confronting practitioners and professionals in the criminal justice system. Particular focus is on police conduct, courtroom conduct, and correctional professional's conduct.

**CRJU 40963 Internship in Criminal Justice.** Prerequisite: Permission of Criminal Justice Internship Director. Students serve for a minimum of 125 hours per semester as participant-observers in a local criminal justice agency. Students submit weekly verified report on hours worked to the Internship Director, who meets with all interns in a seminar discussion of internship problems and activities on a regular basis. Each student will submit a final written report and evaluation.

**CRJU 40970 Independent Study in Criminal Justice.** A specific program of study that must be approved by the Director of the Criminal Justice Program prior to enrollment in this course. Independent studies may be taken for credit ranging from 1 to 6 semester hours depending on the project undertaken.



## Design, Merchandising and Textiles

[Interior Design](#)

[Fashion Merchandising](#)

[Courses of Instruction](#)

### (DEMT)

Available as a B.S. degree with two major options:

Interior Design

Fashion Merchandising

**Accreditations.** The Interior Design program is accredited by the Council for Interior Design Accreditation

**Affiliations.** Students who demonstrate high scholarship are eligible for membership in the Beta Zeta chapter of Phi Upsilon Omicron, a national honor society. The department sponsors the Texas Christian University Interior Design Association, a pre-professional organization. Opportunities are available for students to affiliate with student sections of professional organizations including: The American Society of Interior Designers, International Interior Design Association, Illuminating Engineering Society and Fashion Group International.

**Pass/No Credit Policy** Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in Lighting or Merchandising and Textiles are subject to the pass/no credit policy of their major department.

**Minimum Grade Required:** To matriculate to upper level courses and to graduate with a Fashion Merchandising major, students must obtain a "C" or better in the following courses: DEMT 10243, 20253, 20263 or 20273, 20283. To matriculate to upper level courses and to graduate with an Interior Design major, students must have a "C" or better in the following courses: DEMT 10413, 10423, 10453, 20403, 20413.

**Summer Study Programs.** Summer study programs in New York City and Paris are available to merchandising majors. The New York Study Program provides a study of the textile, apparel and merchandising industries and the significance of New York City as an international business center. The Paris program offers the study of fashion and design in various museums, and European fashion centers. Each program offers 3 to 6 credit hours of undergraduate credit that applies to the major.

Summer study programs in Italy and Scotland are available for Interior Design majors. The Italian study abroad program exposes students to a broad range of design activity, history and current influences in design education and the profession. The course is available for 3 to 6 hours of undergraduate credit towards the major. The TCU in Scotland program, an interdisciplinary program, focuses on the Scottish Enlightenment. The course is available for 3 to 6 hours of undergraduate credit.

**Honors Program.** Departmental Honors are available. See DEMT 30003, 40003.

**Career Development.** A formal portfolio review process is required for all interior design majors and is implemented during the sophomore year. Acceptance of the portfolio by the Interior Design faculty is required for continuation in the program.

### Interior Design

This program prepares the student for a career as a professional interior designer. It educates the student in creativity, design process, technical skills and theory in order to successfully enter the profession. The FIDER accredited program prepares students for the opportunity to complete the necessary steps to obtain state licensing and NCIDQ certification. **Major Requirements:** DEMT 10423, 10413, 10453, 20403, 20413, 20433, 20443, 30073, 30091, 30413, 30423, 30453, 30473, 30483, 30493, 40433, 40453, 40464, 40474, 40493. Related Requirement: ART 10043. Electives to total 124 semester hours.

**Requirements for a Minor in Lighting for Visual Presentation.** DEMT 10453, 20283, 40053, THEA 30503 and 40543, and one of the four following courses: DEMT 10413 Design Fundamentals I, PSYC 30423 Experimental Psychology: Perception, THEA 40553 Dance Lighting, ART 20743 Photography.

**Requirements for Interior Design Majors minoring in Lighting:** DEMT 20283, 40053, 40970, THEA 30503, 40543, and PSYC 30423 or THEA 40553 or Art 20743.

**Requirements for Fashion Merchandising Majors minoring in Lighting:** DEMT 10453, 40053, 40970, THEA 30503, 40543 and PSYC 30423 or THEA 40553 or ART 20743.

**Transfer Policy.** Transfer students must present a current transcript and a portfolio, photographs, or slides of their work for evaluation by the department at least one week prior to registration or at a time of advisement in order to determine the appropriate levels of competency.

**Senior Show Policy.** All interior design majors are required to participate in a group exhibition of student work during their senior year. One exhibition will be held during each spring semester. Students expecting to graduate in May will participate during their final semester. Students whose graduation is expected to be delayed until the following December will participate during the preceding May exhibition.

**Retention of Student Work Policy.** The Department of Design, Merchandising & Textiles reserves the right to photograph, display, and exhibit student work in order that a continuing "body" of work will be available. This policy applies during the completion of the student's undergraduate degree program and for a period of two years following graduation.

### Fashion Merchandising

This program involves all activities related to the development, buying, and selling of merchandise. This major is for the student planning a career in retail buying, product development, management, wholesale or retail sales, public relations, event planning or visual merchandising. A supervised internship is required during the senior year. **Major requirements:** DEMT 10243, 20253, 20263 or 20273, 20283, 30073, 30091, 30263, 30283, 40013, 40203, 40213, 40223, 40243, 40263, 40286. **Minor requirement:** General Business, Journalism, Speech, Art, Radio-Television-Film, Foreign Language, or other approved minor. Other: University Curriculum Requirements and electives to total 124 semester hours.

**Requirements for a Minor in Merchandising and Textiles.** A minor consists of 18 hours in including 10243, 20253, 20283 or 40263, and 40213, and 6 other hours approved by the chair of the department.

### Course Categories

#### Courses of Instruction

DEMT 10433 Freshman Seminar in Design, Merchandising and Textiles.  
 DEMT 30003 Honors Tutorial in Design, Merchandising and Textiles.  
 DEMT 30073 CAD for Apparel and Interiors.  
 DEMT 30091 Career Development.  
 DEMT 40003 Senior Honors Project.  
 DEMT 40013 Entrepreneurship in Design, Merchandising and Textiles.  
 DEMT 40053 Lighting for Visual Presentation.  
 DEMT 40093 New York Study Program.  
 DEMT 40970 Special Problems.

#### Interior Courses

DEMT 10413 Design Fundamentals I.  
 DEMT 10423 Introduction to Interior Design.  
 DEMT 10453 Lighting Fundamentals.  
 DEMT 20403 Design Fundamentals II.  
 DEMT 20413 Interior Design Concepts.  
 DEMT 20433 Interior Design Illustration.  
 DEMT 20443 Interior Design I.  
 DEMT 30413 Interior Design II.  
 DEMT 30423 Architectural Components.  
 DEMT 30433 Rendering Techniques.  
 DEMT 30453 Interior Components.  
 DEMT 30473 History of Interiors I.  
 DEMT 30483 History of Interiors II.  
 DEMT 30493 Interior Design III.  
 DEMT 40433 Special Purpose Design.  
 DEMT 40453 Professional Practices.  
 DEMT 40464 Interior Design IV.  
 DEMT 40474 Interior Design V.  
 DEMT 40493 Interior Design Internship.

#### Merchandising and Textile Courses

DEMT 10243 Merchandising Principles.  
 DEMT 20253 Textile Fundamentals.  
 DEMT 20263 Fashion Illustration.  
 DEMT 20273 Clothing Construction.  
 DEMT 20283 Promotion Principles.  
 DEMT 30263 Product Development.  
 DEMT 30283 Principles of Textile Testing and Analysis.  
 DEMT 40203 Clothing in Society  
 DEMT 40213 History of Costume.  
 DEMT 40223 History of Contemporary Dress.  
 DEMT 40243 International Trade of Textiles and Apparel.  
 DEMT 40263 Merchandising: Buying.  
 DEMT 40286 Fashion Internship.

### Courses of Instruction

**DEMT 10243 Merchandising Principles.** Prerequisite: Merchandising major or minor. A survey of the fashion industry and the dynamics of fashion theory and principles.

**DEMT 10413 Design Fundamentals I.** Six studio hours per week. Prerequisite: Declared major in Interior Design; pre-major or permission. A design introduction to the traditions and resources of space, form, light and color perception. The elements and principles of design will be used to create two-dimensional and three-dimensional representations with freehand sketching, lettering and mechanical drawing.

**DEMT 10423 Introduction to Interior Design.** An introduction to interior design including the study of cultural, technological and economic influences upon the profession. Topics of study include fundamental design vocabulary and concepts, the historical evolution of interior design and the role of interior design upon the built environment.

**DEMT 10433 Freshman Seminar in Design, Merchandising and Textiles.** Topics may vary each time it is offered.

**DEMT 10453 Lighting Fundamentals.** Two one-hour lectures, one two-hour lab per week. A series of lectures and laboratory experiments through which students will develop both technical and aesthetic understanding of lighting and space. Special emphasis on the mechanics of light, types of lighting and the electrical systems that support lighting.

**DEMT 20253 Textile Fundamentals.** Prerequisites: Merchandising major or minor; a grade of 'C' or better in DEMT 10243, and sophomore standing in the major or minor. Analysis of fibers, yarns, fabrication structures and

processing including fabric dyeing, printing and finishing; physical, optical and chemical testing; textile labeling and legislation; and care of textile products.

**DEMT 20263 Fashion Illustration.** Prerequisites: Merchandising major or minor; a grade of 'C' or better in DEMT 10423, and sophomore standing in major or minor. Use of illustration for merchandise development and promotion.

**DEMT 20273 Clothing Construction.** Prerequisites: Merchandising major or minor; a grade of 'C' or better in DEMT 10243, and sophomore standing in the major or minor. Two 1-hour lectures, two 2-hour laboratories per week. Pattern alteration and fitting techniques; basic clothing construction techniques are applied to woven fabrics.

**DEMT 20283 Promotion Principles.** Prerequisites: Merchandising major or minor only; a grade of 'C' or better in DEMT 10243, and sophomore standing in the major or minor. An analysis of non-personal selling including direct marketing, advertising, visual merchandising, publicity, special events and fashion shows.

**DEMT 20403 Design Fundamentals II.** Six lecture/studio hours per week. Prerequisite: A grade of 'C' or better in DEMT 10413, 10423, and concurrent enrollment in DEMT 20413. A continuation of Design Fundamentals I to include color theory and the practice of rendering spaces in color and light. Techniques include pencils and markers.

**DEMT 20413 Interior Design Concepts.** Prerequisites: A grade of 'C' or better in DEMT 10413 and 10423. A studio course exploring the theories and applications of the design of interiors of 2000 square feet or less. Focus is on developing the problem-solving process which encourages creativity, depth of exploration and solutions with substance and aesthetic beauty. Graphic, written and verbal communication formats are used to express all stages of the design thinking process sequence from concept to final conclusions.

**DEMT 20433 Interior Design Illustration.** Six studio hours per week. Prerequisites: A grade of 'C' or better in DEMT 20403, 20413 and concurrent enrollment in DEMT 20443. Shade and shadows. Interior illustration techniques using plans, elevations and perspectives illustrated in marker, line, tone and color.

**DEMT 20443 Interior Design I.** Six studio hours per week. Prerequisites: A grade of 'C' or better in DEMT 20403, 20413, and concurrent enrollment in DEMT 20433 and 30453. Development of a functional approach to interior design stressing physiological and psychological design considerations through small scale commercial projects. Introductory specifications and lighting. Grid one- and two-point design perspectives.

**DEMT 30003 Honors Tutorial in Design, Merchandising and Textiles.** Prerequisite: Departmental major and enrollment in the Honors Program. An examination of a significant issue affecting design, merchandising and/or textiles. The specific topic and presentation format oral, written, graphic, model, garment prototype, computer simulation are determined by the student and faculty directing the study. DEMT 30003 is the first of two courses required for departmental honors. Arrangements for this directed study must be made the semester prior to enrollment in the course.

**DEMT 30073 CAD for Apparel and Interiors.** Prerequisites: Major or minor. A grade of 'C' or better in DEMT 20253 or 30413, or permission of the instructor. Two 1-hour lectures, one 2-hour lab per week. Overview and application of AutoCAD and specialized computer software as they relate to design in the apparel and interior industries.

**DEMT 30091 Career Development.** Prerequisite: Junior standing or permission of instructor. A study in careers, requisite to completion of a directed internship. Particular emphasis on self assessment paralleled to career research, employment resources, and skills in career development, i.e., resume writing, interviews, leadership concepts and effective communication and advancement skills.

**DEMT 30263 Product Development.** Prerequisite: Merchandising major or minor; a grade of 'C' or better in DEMT 20253, 20283, and 20263 or 20273, or permission of the instructor. The creative process of product development including market research, aesthetic properties and design components, manufacturing processes, quality and cost analysis.

**DEMT 30283 Principles of Textile Testing and Analysis.** Prerequisites: Merchandising major or minor; DEMT 30263, and junior or senior standing in the major. Two 1-hour lectures, two-2 hour laboratories per week. Emphasis is on testing and analyzing the performance of textile products using industry methods and specifications.

**DEMT 30413 Interior Design II.** Six studio hours per week. Prerequisites: A grade if 'C' or better in DEMT 20433, 20443, and 30453. Residential interior space/form problem comprehension and solution with concern for aesthetics, utility and life-styles. Rooms are studied independently as well as relative to each other. Specification, lighting and budget. Mixed illustration techniques.

**DEMT 30423 Architectural Components.** Six lecture/studio hours per week. Prerequisite: A grade of 'C' or better in DEMT 20443. A study of architectural factors affecting interiors: structural systems, methods of construction, HVAC and electrical systems, cabinet detailing and related building codes.

**DEMT 30433 Rendering Techniques.** Six studio hours per week. Prerequisite: A grade if 'C' or better in DEMT 20433. Advanced rendering techniques in timed sketches in graphite pencil and marker as well as refined renderings in colored markers and prisma color pencil. Includes the illustration of human figures in interior spaces.

**DEMT 30453 Interior Components.** Two lecture hours and two lab hours per week. Prerequisite: A grade of 'C' or better in DEMT 20413. Selection and specification of interior materials and finishes for various design situations. Includes textile characteristics of interior materials, decision making criteria and estimating processes and preparation of finish schedules and specification documents.

**DEMT 30473 History of Interiors I.** Prerequisites: A grade of 'C' or better in DEMT 10423 or permission. History of the style of architecture, interiors, furnishings and decorative arts from the Stone Age to 1900 A.D. The designs of architects, furniture designers and interior designers are examined within the context of social history and culture.

**DEMT 30483 History of Interiors II.** Prerequisite: A grade of 'C' or better in DEMT 30473 or permission. History of the styles of architecture, interiors, furnishings, and decorative arts after 1900 A.D. Includes the influence of technology, industrialization, and various modern movements. The designs of architects and interior designers are examined within the context of social history and cultural influences.

**DEMT 30493 Interior Design III.** Six seminar/studio hours per week. Prerequisites: A grade of 'C' or higher in DEMT 20453, 30413, and DEMT 30473. Development of an aesthetically and functionally based process for the design of commercial interiors. Emphasis on space planning, furniture selection and layout and programming. Includes interior design theory, research and communication of design solutions, design for the physically limited including the American Disabilities Act and flammability issues.

**DEMT 40003 Senior Honors Project.** Prerequisite: Departmental major, enrollment in the Honors Program and completion of DEMT 30003. The execution of a project or paper reflecting creative investigation or research. Supervision by a three-member faculty committee is required. DEMT 40003 must be completed prior to the student's final semester of undergraduate work. May be based on subject matter explored in DEMT 30003.

**DEMT 40013 Entrepreneurship in Design, Merchandising and Textiles.** Prerequisites: A grade of 'C' or better in DEMT 10243 and junior or senior standing in the major. The purpose of this course is to introduce the student to the opportunities, risks and management problems involved in establishing and operating new enterprises specifically related to Design, Merchandising & Textiles.

**DEMT 40053 Lighting for Visual Presentation.** Prerequisites: A grade of 'C' or better in DEMT 10453, 30253, and THEA 30503 or permission of instructor. The interrelationship between lighting and merchandising with specific concentration on lighting merchandise as three dimensional form, the use of color in merchandising, and the practical applications of lighting as a merchandising tool. Exploration of the impact that interior design, fashion merchandising, and theater have on the way merchandise is illuminated and displayed.

**DEMT 40093 New York Study Program.** One week study tour of New York City's textile, apparel and merchandising industries accompanied by two weeks of on-campus study.

**DEMT 40203 Clothing in Society.** Prerequisite: 2.0 GPA, Merchandising major, ENGL 20803, junior or senior standing in the major. A global exploration of the sociological, economical, psychological and cultural aspects of apparel and dress.

**DEMT 40213 History of Costume.** Prerequisite: Merchandising major or minor only, junior or senior standing in the major. The study of the interrelationship between costume and the social, cultural, political and economic environment through the 18th century.

**DEMT 40223 History of Contemporary Dress.** Prerequisite: Merchandising major, ENGL 20803, junior or senior standing in the major. The study of the interrelationship of costume with the social, cultural, political and economic environment from the 19th century to the present.

**DEMT 40243 International Trade of Textiles and Apparel.** Prerequisites: ECON 10223 or 10233, Merchandising major or minor, senior standing in major or minor. A study of the economic principles involved in the production, marketing and distribution of textiles and apparel in relation to the global market.

**DEMT 40263 Merchandising: Buying.** Prerequisite: Merchandising major or minor, junior or senior standing in the major or minor, UCR math, ECON 10223 or 10233. An analysis of fashion buying. Emphasis on applied mathematical operations to planning and control procedures in various types of retail organizations, buying techniques and merchandise selection.

**DEMT 40286 Fashion Internship.** Prerequisites: 2.0 GPA, Merchandising major, a grade of 'C' or better in DEMT 30091, senior standing in the major; minors must obtain permission from instructor. Supervised full-time work experience in a fashion related establishment. Weekly logs and assigned papers will be required.

**DEMT 40433 Special Purpose Design.** Six lecture/studio hours per week. Prerequisites: A grade of 'C' or better in DEMT 40453 and 40464. The design of interiors to serve special purposes or populations. Included will be one project entered in a national student competition.

**DEMT 40453 Professional Practices.** Six lecture/field trip hours per week. Prerequisite: A grade of 'C' or better in DEMT 40493. Business practices, management and professional procedures for the interior designer. An examination of the design profession within an economic framework.

**DEMT 40464 Interior Design IV.** Six studio hours and two seminar hours per week. Prerequisites: A grade of 'C' or better in DEMT 30423, 30493, 30453, and 30483. Advanced problems in contemporary environments as relevant expressions of technological and cultural change. Includes advanced application of various research methodologies to document design solutions.

**DEMT 40474 Interior Design V.** Six studio hours and two seminars per week. Prerequisite: A grade of 'C' or better in DEMT 40464. Large scale design of specialty space with emphasis on program interpretation, space planning, FF&E furniture, fixtures and equipment, themed environment and ADA Americans with Disabilities Act requirements. Course work may be in conjunction with a professional architectural design firm project and firm professionals.

**DEMT 40493 Interior Design Internship.** Seminar and work experience hours to be arranged. Prerequisite: A grade of 'C' or better in DEMT 30091 and 30493. Supervised apprenticeship with a professional interior designer or architectural firm. On-the-job experience in an interior design or architectural firm. Students must attend preparatory seminars prior to beginning the internship experience.

**DEMT 40970 Special Problems.** Hours to be arranged. Special problems requiring independent research and study within a related area, or field experience in design, merchandising and/or textiles. (1-6 semester hours).

## Economics

[Requirements for the B.A. degree with a major in Economics](#)

[Requirements for the B.S. degree with a major in Economics](#)

[Requirements for the B.S. degree with a major in International Economics](#)

[Requirements for a minor in Economics](#)

[Requirements for Economics Majors minoring in Finance or Accounting](#)

[Honors Program](#)

[Omicron Delta Epsilon](#)

[Minimum Grade Required](#)

[Course Scheduling](#)

[Courses of Instruction](#)

### (ECON)

Available as a major or a minor on the B.A. and B.S. degrees. Also available is a B.S. degree in International Economics. The B.A. is provided for the student who has a general interest in economics but who does not plan to pursue a graduate degree or a career in Economics. Students who plan a graduate program or a career in Economics should enroll in the B.S. curriculum.

The Department of Economics is part of AddRan College of Humanities and Social Sciences and thus has a liberal arts focus. Our purpose is to foster an intellectual community, based on critical inquiry, that explores the human condition while enabling students to develop the capacity to 'think like an economist,' thereby providing the skills necessary for meaningful work, citizenship, and leadership. Upon completion of their undergraduate degree programs, students majoring in Economics should be able to analyze human action and interaction in economic terms, formally model economic phenomena, and apply core economic concepts to novel situations.

#### Requirements for the B.A. degree with a major in Economics

24 semester hours in Economics, 18 of which must be at the 30000 level or above, plus a minimum of 6 semester hours in Associated Requirements. A grade of "C" or better must be attained in any course which is to count as one of the 24 hours in Economics or as one of the Associated Requirements. Specific requirements are as follows:

##### I. Foundations (12 hours)

ECON 10223 Introductory Microeconomics  
 ECON 10233 Introductory Macroeconomics  
 ECON 30223 Intermediate Microeconomics  
 ECON 30233 Intermediate Macroeconomics

##### II. Breadth Requirements (6 hours - 3 hours must be chosen from subsection A)

###### A. Contextual Inquiry

ECON 30413 American Economic History  
 ECON 40413 U.S. Economic History - The Founding Eras  
 ECON 40423 U.S. Economic History - The Rise of the Modern Era  
 ECON 40233 History of Economic Thought  
 ECON 50483 Financial History

###### B. International Economics

ECON 30213 Development Theory  
 ECON 30433 Development Studies  
 ECON 50123 International Trade and Payments  
 ECON 50133 International Monetary Economics  
 ECON 50443 International Economic Studies

###### C. Public Policy Economics

ECON 30133 Labor Economics  
 ECON 30143 Public Finance  
 ECON 40153 Economics of Financial Markets  
 ECON 40463 Regional and Urban Economics  
 ECON 50423 Regulation of Economic Activity

##### III. Additional Electives in Economics (6 hours)

**Associated Requirements:** MATH 10283 or MATH 10524 and MATH 10043 or INSC 20153.

**Minor:** A minor is required. Any minor approved by AddRan College is acceptable. In addition, subject to prior approval by the Chair of the Economics Department and the Associate Dean of Undergraduate Studies of the M.J. Neeley School of Business, Economics majors may minor in Finance or Accounting. See below for specific requirements.

No more than six hours from sections II and III should be completed until the student has satisfactorily completed the Foundations (Group I) and the Associated Requirements.

**Requirements for the B.S. degree with a major in Economics**

33 semester hours in Economics, 27 of which must be at the 30000 level or above, plus a minimum of 6 semester hours in Associated Requirements. A grade of "C" or better must be attained in any course which is to count as one of the 33 hours in Economics or as one of the Associated Requirements. Specific requirements are as follows:

**I. Foundations (15 hours)**

ECON 10223 Introductory Microeconomics  
 ECON 10233 Introductory Macroeconomics  
 ECON 30223 Intermediate Microeconomics  
 ECON 30233 Intermediate Macroeconomics  
 ECON 30313 Research Methods in Economics or ECON 50343 Econometrics

**II. Breadth Requirements (9 hours - 3 from each subsection)****A. Contextual Inquiry**

ECON 30413 American Economic History  
 ECON 40413 U.S. Economic History - The Founding Eras  
 ECON 40423 U.S. Economic History - The Rise of the Modern Era  
 ECON 40233 History of Economic Thought  
 ECON 50483 Financial History

**B. International Economics**

ECON 30213 Development Theory  
 ECON 30433 Development Studies  
 ECON 50123 International Trade and Payments  
 ECON 50133 International Monetary Economics  
 ECON 50443 International Economic Studies

**C. Public Policy Economics**

ECON 30133 Labor Economics  
 ECON 30143 Public Finance  
 ECON 40153 Economics of Financial Markets  
 ECON 40463 Regional and Urban Economics  
 ECON 50423 Regulation of Economic Activity

**III. Additional Electives in Economics (6 hours)****IV. Capstone Experience (3 hours)**

ECON 40013 Senior Seminar in Economics  
 ECON 40003 Senior Honors Research Paper

**Associated Requirements:** MATH 10283 or MATH 10524, MATH 10043 or INSC 20153. Students planning to pursue graduate study in economics are advised to take MATH 20524 and MATH 30224.

**Minor:** A minor is required. Any minor approved by AddRan College is acceptable. In addition, subject to prior approval by the Chair of the Economics Department and the Associate Dean of Undergraduate Studies of the M.J. Neeley School of Business, Economics majors may minor in Finance or Accounting. See below for specific requirements.

No more than six hours from sections II and III should be completed until the student has satisfactorily completed the Foundations (Section I) and the Associated Requirements.

**Requirements for the B.S. degree with a major in International Economics**

33 semester hours in Economics, 27 of which must be at the 30000 level or above, plus a minimum of 18 semester hours in Associated Requirements and sophomore-level proficiency in a foreign language. A grade of "C" or better must be attained in any course which is to count as one of the 33 hours in Economics or as one of the Associated Requirements. Specific requirements are as follows:

**I. Foundations (15 hours)**

ECON 10223 Introductory Microeconomics  
 ECON 10233 Introductory Macroeconomics  
 ECON 30223 Intermediate Microeconomics  
 ECON 30233 Intermediate Macroeconomics  
 ECON 30313 Research Methods in Economics or ECON 50343 Econometrics

**II. International Economics (12 hours)****A. Core (6 hours)**

ECON 50123 International Trade and Payments  
 ECON 50133 International Monetary Economics

## B. Electives (6 hours)

ECON 30213 Development Theory  
 ECON 30433 Development Studies  
 ECON 50443 International Economic Studies

## III. Additional Electives in Economics (3 hours)

## IV. Capstone Experience (3 hours)

ECON 40013 Senior Seminar in Economics  
 ECON 40003 Senior Honors Research Paper

**Associated Requirements** (18 hours)

## I. Quantitative Skills (6 hours)

MATH 10283 or 10524 (latter recommended)  
 INSC 20153 or MATH 10043 (latter recommended)

## II. International and Comparative Politics (6 hours)

POSC 20303 International Politics  
 POSC 30303 Topics in International Politics  
 POSC 30503 Topics in Comparative Politics

## III. Language, History, and Culture (6 hours)

Internationally-related courses from ANTH, GEOG, HIST, JOUR, RELI, FINA, MANA, or MARK, or upper-division foreign language, selected with department approval (current list of approved classes available; offerings by other departments may be substituted with permission). Participation in TCU's Study Abroad program may waive three hours of this requirement (with prior approval from the Economics Department).

In addition, students planning to pursue graduate study in economics are advised to take MATH 20524 and MATH 30224.

**Minor:** A minor is required. Any minor approved by AddRan College is acceptable. In addition, subject to prior approval by the Chair of the Economics Department and the Associate Dean of Undergraduate Studies of the M.J. Neeley School of Business, Economics majors may minor in Finance or Accounting. See below for specific requirements.

No more than six hours from sections II and III should be completed until the student has satisfactorily completed the Foundations (Section I) and the Associated Requirements.

**Requirements for a minor in Economics**

18 semester hours in Economics to be distributed as follows:

ECON 10223 Introductory Microeconomics  
 ECON 10233 Introductory Macroeconomics  
 ECON 30223 Intermediate Microeconomics

or

ECON 30233 Intermediate Macroeconomics

Nine additional hours in Economics at the 30000 level or above.

**Pass/No Credit Option**

Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in Economics are subject to the pass/no credit policy of their major department.

**Requirements for Economics Majors minoring in Finance or Accounting**

For Finance:

12 hours of required courses  
 FINA 30153 Financial Management  
 FINA 30203 Money and Banking or ECON 40153 Economics of Financial Markets  
 FINA 30213 Investments I  
 ACCT 30153 Intermediate Financial Accounting I  
 6 semester hours of finance electives from the following:  
 FINA 40153 Advanced Financial Management  
 FINA 30233 Investments II  
 FINA 40183 Educational Investment Fund  
 FINA 40193 Educational Investment Fund  
 FINA 40613 Real Estate Finance and Investment Analysis  
 FINA 40623 International Finance

For Accounting:

ACCT 20153 Principles of Financial Accounting  
 ACCT 20163 Principles of Managerial Accounting  
 ACCT 30153 Intermediate Financial Accounting I  
 ACCT 30163 Cost Accounting  
 ACCT 30253 Intermediate Financial Accounting II  
 ACCT 30303 Introduction to Federal Taxation

Economics students minoring in Accounting or Finance must also pass the Neeley School computer tests prior to enrolling in 30000 and higher business courses. Students should contact the Neeley Student Resource Center for information about these tests. The Lower Division Sequence Requirements of the Neeley School must also be met. ECON 40153 may not be used to satisfy both the major and minor requirements.

#### **Honors Program**

Economics majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in ECON 30003 during their junior year and ECON 40003 during the fall semester of their senior year.

#### **Omicron Delta Epsilon**

The Eta of Texas Chapter of Omicron Delta Epsilon is sponsored by the Department of Economics. ODE is the national honor society in Economics.

#### **Minimum Grade Required**

To graduate with a major in Economics or International Economics, students must earn a grade of "C" or better in all courses applied to the major, including Associated Requirements. In addition, a grade of "C" or better must be earned in any course serving as a prerequisite for a subsequent course in Economics.

#### **Course Scheduling**

Although taught regularly, not all required courses are scheduled every semester. It is the student's responsibility to complete the major requirements for graduation as early in their tenure as possible. Exceptions to the major requirements or to course prerequisites will not be made because of student failure to complete coursework in a timely fashion. In particular, since they serve as prerequisites to many advanced courses, the Foundations courses and Associated Requirements should be completed as early as possible in the student's academic career.

#### **Courses of Instruction**

**ECON 10223 Introductory Microeconomics.** Overview of economics, introduction to microeconomic theory and policy; demand, supply, price determination in product and factor markets, principle of comparative advantage, concept of economic efficiency, perfect and imperfect competition.

**ECON 10233 Introductory Macroeconomics.** Prerequisite: A 'C' or better in ECON 10223. Introduction to macroeconomic theory and policy; measurement of economic aggregates, inflation, unemployment, business cycles, fiscal and monetary policies, economic growth, exchange rates, balance of payments, and financial capital flows.

**ECON 10241 Laboratory in Microeconomics.** Prerequisite: Concurrent registration in, or completion of, ECON 10223. Use of computer simulations, games, and formal exercises to build on, and to reinforce, concepts and procedures covered in ECON 10223.

**ECON 10251 Laboratory in Macroeconomics.** Prerequisite: Concurrent registration in, or completion of, ECON 10233. Use of computer simulations, games, and formal exercises to build on, and to reinforce, concepts and procedures covered in ECON 10233.

**ECON 10533 Freshman Seminar in Economics.** Topics may vary each time it is offered.

**ECON 10533 Freshman Seminar in Economics.** Topics may vary each time it is offered.

**ECON 30003 Junior Honors Seminar.** Prerequisite: Advanced standing in Economics and recommendation of the Chairman. Discussion of important books in the literature of economics and of significant economic problems.

**ECON 30133 Labor Economics.** Prerequisites: A 'C' or better in ECON 10223 and 10233. Economic analysis of labor market issues, including minimum wage legislation, compensating wage differentials, human capital investment, discrimination, and collective bargaining.

**ECON 30143 Public Finance.** Prerequisites: A 'C' or better in ECON 10223 and 10233. Theory of public choice; budgeting procedures; theory and methods of financing government expenditures; fiscal policy.

**ECON 30213 Development Theory.** Prerequisites: A 'C' or better in ECON 10223 and 10233. An analysis of the changes that must take place in a society in order for economic development to proceed. Economic Theories of development and growth.

**ECON 30223 Intermediate Microeconomics.** Prerequisites: A 'C' or better in ECON 10223 and 10233, MATH 10283 or MATH 10524. Details of allocation and distribution theory of market economies. Explanations of product and factor market activities. Elements of partial and general equilibrium theories.

**ECON 30233 Intermediate Macroeconomics.** Prerequisites: A 'C' or better in ECON 10223 and 10233. Employment, monetary theory, aggregate demand and supply theory, economic performance and tools of measurement.

**ECON 30313 Research Methods in Economics.** Prerequisites: A 'C' or better in ECON 10223 and 10233, INSC 20153 or MATH 10043. Applications of statistical techniques in research. Includes methods of literature search, proposal writing, computer-based statistical programs, and preparation of research reports.

**ECON 30413 American Economic History.** Prerequisites: A 'C' or better in ECON 10223 and 10233.



Developments in agriculture, industry, commerce, transportation, labor, and finance in the United States.

**ECON 30423 Introduction to Security Analysis.** Prerequisite: A 'C' or better in ECON 10223 and 10233; ACCT 20153 recommended. Survey of financial markets including their historical evolution, their relation to the macroeconomy, economic influences on prices of financial assets, government policies, and basic portfolio management.

**ECON 30433 Development Studies.** Prerequisites: A 'C' or better in ECON 10223 and 10233. Survey of development experience in a country or group of countries or analysis of general development experiences such as external finance, foreign trade and payments, development policy sets, or other experiences typical of developing countries.

**ECON 40003 Senior Honors Research Paper.** Prerequisites: A 'C' or better in ECON 30003 with recommendation of the Department. Each student will prepare a substantial paper under the direction of a faculty member.

**ECON 40013 Senior Seminar in Economics.** Prerequisites: Senior standing and 21 semester hours in Economics, including successful completion of the Foundations (ECON 10223, 10233, 30223, and 30233 with grades of 'C' or better) requirements. Capstone seminar exploring selected issues in economic theory or policy.

**ECON 40153 Economics of Financial Markets.** Prerequisites: A 'C' or better in ECON 10223 and 10233. Analysis of the structure and operations of financial markets and analysis of the role of money and capital markets in the economy.

**ECON 40233 History of Economic Thought.** Prerequisites: A 'C' or better in ECON 10223 and 10233. The study of economic ideas. May include the ideas of any major contributor from Adam Smith to contemporary economists.

**ECON 40413 U. S. Economic History - The Founding Eras.** Prerequisites: ECON 10223, ECON 10233 with a C or better. Historical development of the United States economy from European contact through the antebellum period. Emphasis is on colonial and pre-industrial development

**ECON 40423 U. S. Economic History - the Rise of the Modern Era.** Prerequisites: ECON 10223, and ECON 10233, with grades of C or higher. Historical development of the United States economy from the early national period to the modern era. Emphasis is on the transition from a pre-industrial economy to an industrial economy with modern financial and governmental institutions.

**ECON 40463 Regional and Urban Economics.** Prerequisites: A 'C' or better in ECON 10223 and 10233. An introduction to, and overview of, regional and urban economic theory. Examination of location factors and costs including transportation rate structures, migration, firm location, structure of regions and urban areas, and urban problems.

**ECON 40970 Experimental Course.** Prerequisites: Vary according to nature of material. For use when instructor has new material or new teaching strategies which are not appropriate to existing courses.

**ECON 50113 Industrial Organization.** Prerequisites: A 'C' or better in ECON 30223 or graduate standing in business. Theoretical and empirical examination of the interrelationships between market structure, conduct and performance in the industrial sector of the economy.

**ECON 50123 International Trade and Payments.** Prerequisites: A 'C' or better in ECON 10223 and 10233 or graduate standing in business. Surveys of international trade relationships, balance of payments accounting, theories explaining the pattern of trade and its relationship to economic welfare, policies affecting the pattern of a country's trade with the rest of the world.

**ECON 50133 International Monetary Economics.** Prerequisites: A 'C' or better in ECON 10223 and 10233 or graduate standing in business. Surveys of various theories of exchange rate determination, along with evaluation of fixed, flexible and mixed exchange rate regimes. In addition, long-term and short-term capital flows are described and explained.

**ECON 50343 Econometrics.** Prerequisites: A 'C' or better in ECON 10223 and 10233 and either MATH 10043 or INSC 20153 or graduate standing in business. Techniques of simple and multiple regression. Methods for correcting problems of autocorrelation, heteroscedasticity, and multicollinearity.

**ECON 50353 Modeling and Simulation.** Prerequisites: A 'C' or better in INSC 20153 or Econometrics, computer experience or permission of instructor. An analysis of systems and modeling techniques. The application of such techniques to economic systems. The study of regional economic models and their use of public policy design.

**ECON 50413 Industry Studies.** Prerequisites: A 'C' or better in ECON 30223 or graduate standing in business. Study of the market structure, conduct and performance of American industries using a case study approach.

**ECON 50423 Regulation of Economic Activity.** Prerequisite: A 'C' or better in ECON 30223 or graduate standing in business. Public policy relative to commercial and industrial enterprise. Federal agency regulation. Emphasis on industrial and market concentration, competition and monopoly, public utilities, consumer protection and environmental pollution and control policies.

**ECON 50443 International Economic Studies.** Prerequisites: At least nine 9 semester hours credit in economics with a grade of 'C' or better or graduate standing in business. Detailed analysis of current problems in international economic relationships. The list of topics selected on the basis of their significance in policy design, policy analysis, or contemporary economic well-being.

**ECON 50453 Macroeconomic Studies.** Prerequisites: A 'C' or better in ECON 30233 or graduate standing in business. Analysis of current macroeconomic issues in theory and policy. Topics may include economic growth, fluctuations in business activity, investment behavior, consumption functions, macroeconomic planning, and the policy formulation process.

**ECON 50463 Regional Economic Development.** Prerequisites: A 'C' or better in ECON 30223 or graduate standing in business. Theoretical and empirical examination of regional economic development. Topics may include regional economic resources, development potential, and factors affecting industrial location, planning and

organization of industrial development, spatial aspects of poverty and urban problems, and methods of regional analysis.

**ECON 50473 Seminar in Financial Economics.** Prerequisites: A 'C' or better in ECON 30423 or graduate standing in business. Analysis of significant contributions to the literature on investment. Portfolio selection and management giving attention to fundamentalist technical and cyclical approaches.

**ECON 50483 Financial History.** Prerequisites: A 'C' or better in ECON 10223 and ECON 10233 or graduate standing in business. Examines important topics in the development of American and Western European monetary and financial systems. Historical perspectives on innovation, stabilization, and regulation within the major themes of monetary regimes, banking systems, and capital markets.

**ECON 50970 Directed Studies in Economics.** Prerequisites: A 'C' or better in 12 hours in economics and senior or graduate standing. Supervised reading, research, and preparation of a substantial paper.

## English as a Foreign Language

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### Courses of Instruction

#### **(ENFL)**

English as a Foreign Language (ENFL) courses offer elective credits for international students who have been admitted to the University. These courses are designed to provide additional help in composition, reading, and general study skills development.

**Placement.** Placement in these courses is based on the results of the Test of English as a Foreign Language (TOEFL) section scores, the Test of Written English (TWE), and/or other standardized English proficiency exams, which are given to new students during their orientation. Those required to take any ENFL course(s) must successfully complete the course(s) before they will be allowed to continue their academic program.

**Credit.** Elective credit for ENFL courses is granted only for a grade of "C" or better. Students who make a "D" will receive a grade of "NC" (no credit) and must repeat the course. A student who receives an "F" must also repeat the course if eligible to enroll. The Pass/No Credit grading option is not permitted for ENFL courses.

**Foreign language requirement.** Students may demonstrate competency in a language other than English by meeting the TCU non-English language undergraduate requirement (and earn credit for this requirement) in a variety of ways. First, the student may meet the requirement by successful completion of course work at TCU, or by approved transfer credit from another institution, as specified in each academic major and receive the number of credit hours earned in those courses. Additionally, a student may provide evidence of competency in the non-English language by: (1) scores on standardized tests approved by the University, for which the student will receive 3-12 hours of credit depending on the examination score; or (2) successful completion of one academic year in a secondary or post-secondary institution in which the language of instruction is other than English, for which the student will receive 12 hours of credit.

#### **Courses of Instruction**

**ENFL 1003 Reading/Study Skills.** A course designed to introduce and reinforce the reading and study skills necessary for success in the U.S. university.

**ENFL 10103 Intermediate Composition Skills.** Introduction to the major rhetorical modes and practice in writing various types of paragraphs. The TWE is required as a final exam.

**ENFL 10113 Advanced Composition Skills.** A composition/readings course designed to prepare advanced ESL students for freshman composition and to further develop the language and research report skills required by other courses. The TWE is required as a final exam.

## English

[Requirements for the B.A. degree with a major in English](#)

[Requirements for a minor in English](#)

[Courses of Instruction](#)

### (ENGL)

Available as a major on the B.A. degree and as a minor on the B.A. and B.S. degrees.

English majors who plan to pursue Departmental Honors must be members of the University's Honors Program and enroll in ENGL 30003 in the junior year and ENGL 40003 in the fall semester of the senior year.

**Pass/No-Credit Option.** Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in English are subject to the pass/no credit policy of their major department.

### Requirements for the B.A. degree with a major in English

Each student forms a program of study in consultation with a faculty adviser in English. It is possible to concentrate in writing or literature if the student chooses.

#### General requirements:

To earn a major in English, students must complete 30 hours in English (exclusive of 10803, 10833, and 20803). Of these, at least 24 hours must be in upper-division English courses (30000 level and above). **No more than 6 hours of lower-division credit may be applied to the major.**

ENGL 30973 and 50970, courses in special topics which change from semester to semester, usually satisfy one or more of the requirements for majors. Consult the Department for information on these courses or check our website.

#### Specific requirements:

To earn a major, students must complete at least 6 of the 30 hours in courses in pre-1800 materials in American Literature, British literature, or Rhetorical Traditions. Select from this list (or consult the Department): 20433, 20603, 20633, 20913, 30113, 30253, 30413, 30423, 30433, 30583, 30623, 30633, 30643, 40403, 40413, 40423, 40453, 40483, 40493, 40543, 40653. Most of these courses can also be used to satisfy one of the distribution requirements listed just below in categories a, b, d, and e.

These additional distribution requirements apply:

- a. 6 upper division hours of American literature, selected from this list: 30133, 30143, 30503, 30513, 30523, 30533, 30543, 30553, 30563, 30573, 30583, 30593, 30693, 40523, 40533, 40543, 40553, 40583, 40593;
- b. 6 upper division hours of British literature, selected from this list: 30113, 30123, 30413, 30423, 30433, 30443, 30453, 30463, 30473, 30483, 30633, 30673, 30683, 30773, 40403, 40413, 40423, 40433, 40443, 40453, 40463, 40483, 40493, 40653, 40693;
- c. 3 upper division hours of writing, selected from this list: 30213, 30223, 30233, 30263, 30273, 40203, 40213, 40223, 40233, 40243, 40273, 50233;
- d. 3 upper division hours of either language theory, literary theory, or rhetorical theory, selected from this list: 30103, 30243, 30253, 30273, 30283, 30303, 30313, 30323, 40123, 40253, 40323, 40333, 50243;
- e. 12 elective hours of any courses offered by the Department of English; of these, at least six hours must be at the upper division.

### Requirements for a minor in English

To earn a minor, students must complete 18 semester hours in English (exclusive of 10803, 10833, and 20803). Of these, 9 hours must be in upper-division courses. These distribution requirements apply:

- a. 3 hours of American literature, selected from this list: 20503, 20533, 20583, 30133, 30143, 30503, 30513, 30523, 30533, 30543, 30553, 30563, 30573, 30583, 30593, 30693, 40523, 40533, 40543, 40553, 40583, 40593;
- b. 3 hours of British literature, selected from this list: 20403, 20433, 30113, 30123, 30413, 30423, 30433, 30443, 30453, 30463, 30473, 30483, 30633, 30673, 30683, 30773, 40403, 40413, 40423, 40433, 40443, 40453, 40463, 40483, 40493, 40653, 40693;
- c. 3 hours of writing, selected from this list: 10203, 30213, 30223, 30233, 30263, 30273, 40203, 40213, 40223, 40233, 40243, 40273, 50233;
- d. 9 hours of elective English courses, chosen from any category.

### Course Categories

**Courses of Instruction****Approaches to Literary Studies**

ENGL 10103 Introduction to Fiction.  
 ENGL 10113 Introduction to Poetry.  
 ENGL 10123 Introduction to Drama  
 ENGL 10433 Literature: Freshman Seminar.  
 ENGL 30103 Introduction to Literary Theory.  
 ENGL 40123 Literary Criticism.

**Writing Workshops**

ENGL 10803 Introductory Composition: Writing from Sources.  
 ENGL 10833 Comp: Freshman Seminar.  
 ENGL 20803 Intermediate Composition: Writing within Communities.

**Studies in Writing and Rhetoric**

ENGL 10203 Introduction to Creative Writing.  
 ENGL 30213 Advanced Composition.  
 ENGL 30223 Technical Writing and Document Design  
 ENGL 30233 The Essay.  
 ENGL 30243 Rhetorical Practices in Culture.  
 ENGL 30253 Rhetorical Traditions.  
 ENGL 30263 Style and Usage  
 ENGL 30273 Argument and Persuasion.  
 ENGL 30283 Cyberliteracy.  
 ENGL 40203 Creative Writing-Fiction.  
 ENGL 40213 Creative Writing-Poetry.  
 ENGL 40223 Creative Writing-Drama.  
 ENGL 40233 Writing for Publication.  
 ENGL 40243 Professional Writing and Editing  
 ENGL 40253 Propaganda Analysis and Persuasion.  
 ENGL 40273 Writing Internship.  
 ENGL 50233 Studies in Creative Writing.  
 ENGL 50243 Teaching Writing.

**Studies in Language**

ENGL 30303 Modern Grammar  
 ENGL 30313 Introduction to Language Study.  
 ENGL 30323 Comparative Linguistics.  
 ENGL 40323 History of the Language  
 ENGL 40333 Language and Society.

**Studies in British Literature**

ENGL 20403 Major British Writers  
 ENGL 20433 Introduction to Shakespeare  
 ENGL 30113 British Literature to 1800.  
 ENGL 30123 British Literature since 1800.  
 ENGL 30413 British Literature to 1500  
 ENGL 30423 Early British Drama.  
 ENGL 30433 Renaissance Poetry.  
 ENGL 30443 Twentieth Century Irish Literature  
 ENGL 30453 The Victorian Novel.  
 ENGL 30463 British Literature: The Bloomsbury Group.  
 ENGL 30473 Wilde Years: Oscar Wilde and the 1890s  
 ENGL 30493 Women Poets and Poetic Tradition  
 ENGL 40403 Chaucer  
 ENGL 40413 Renaissance in England.  
 ENGL 40423 Restoration and 18th Century Literature, 1660-1790.  
 ENGL 40433 19th Century Literature.  
 ENGL 40443 20th Century Literature.  
 ENGL 40453 British Novel to 1832.  
 ENGL 40463 British Novel since 1832.  
 ENGL 40483 Shakespeare and Marlowe.  
 ENGL 40493 Shakespeare.

**Studies in American Literature**

ENGL 20503 Major American Writers.  
 ENGL 20533 The American Dream.  
 ENGL 20583 The Western.  
 ENGL 30133 American Literature to 1900  
 ENGL 30143 American Literature since 1900.  
 ENGL 30503 The Roaring Twenties  
 ENGL 30513 American Poetry.  
 ENGL 30523 Sports in Modern American Literature.  
 ENGL 30533 Modern American-Jewish Literature.  
 ENGL 30543 The American Short Story.  
 ENGL 30553 19th Century American Novel  
 ENGL 30563 American Drama  
 ENGL 30573 Travail and Triumph: A Survey of African-American Literature.  
 ENGL 30583 Early American Literature  
 ENGL 30593 American Fiction, 1960 to the Present  
 ENGL 30693 Multi-Ethnic Literature.  
 ENGL 40523 Emerson and Thoreau.  
 ENGL 40533 Toni Morrison.  
 ENGL 40543 Studies in Early American Literature.  
 ENGL 40553 Studies in Nineteenth-Century American Literature.  
 ENGL 40583 Contemporary American Poetry.  
 ENGL 40593 Faulkner.

**Studies in Comparative Literature**

ENGL 20603 Western World Literature I.  
 ENGL 20613 Western World Literature II.  
 ENGL 20623 Women in Literature and Culture  
 ENGL 20633 Mythology.  
 ENGL 20643 Fable and Fantasy  
 ENGL 20653 The Romantic Imagination.  
 ENGL 20733 Science Fiction  
 ENGL 20743 Detective Novel.  
 ENGL 20913 Literature and Civilizations I.  
 ENGL 20923 Literature and Civilizations II.  
 ENGL 30613 Women's Lives: Memoir and Fiction.  
 ENGL 30623 Medieval Literature in Translation.  
 ENGL 30633 Medieval and Early Modern Women Writers  
 ENGL 30643 The Bible as Literature.  
 ENGL 30673 King Arthur in Literature and Legend.  
 ENGL 30683 Post-Colonial Anglophone Literature  
 ENGL 30723 Short Story.  
 ENGL 30733 Satire  
 ENGL 30753 Literature and Film  
 ENGL 30773 India: Texts and Traditions.  
 ENGL 30783 Working-Class Literature.  
 ENGL 40653 Renaissance Literature and the 'New' Science.  
 ENGL 40663 Modern Fiction.  
 ENGL 40673 Modern Drama.  
 ENGL 40693 20th Century British and Irish Poetry.  
 ENGL 40733 Social History of Children's Literature.  
 ENGL 40743 The Long Novel.  
 ENGL 30003 Junior Honors Seminar  
 ENGL 40003 Senior Honors Seminar.  
 ENGL 30973 Directed Studies in English.  
 ENGL 50603 Classical Drama.  
 ENGL 50970 Directed Study in English.

### Courses of Instruction

**ENGL 10103 Introduction to Fiction.** Reading and analysis of prose fiction by a variety of authors. The course may focus on a specific historical period or may cover a more extensive time span. Students will become familiar with interpretive strategies and will examine the course texts in relation to literary antecedents, the conventions of various genres, and the cultural circumstances of composition.

**ENGL 10113 Introduction to Poetry.** Reading and analysis of a wide variety of American and British poetry. The goal of the course will be to help students understand that poetry is not difficult and dull, but understandable, worthwhile, and enjoyable.

**ENGL 10123 Introduction to Drama.** Reading and analysis of the various dramatic genres.

**ENGL 10203 Introduction to Creative Writing.** Workshops in which students present their writing (fiction, poetry, drama, creative nonfiction) for class analysis will be complemented by lectures on the genres and readings that exemplify outstanding technique.

**ENGL 10433 Literature: Freshman Seminar.** Topics may vary each time it is offered.

**ENGL 10703 Introduction to Critical Writing.** Introduction to critical writing, reading, and research in the university. ENGL 10703, when followed by a designated section of ENGL 10803, gives students the opportunity to engage in a year-long study of academic writing. Includes attention to invention, drafting, revision, and editing of various genres of academic writing. Designed for students who do not have extensive experience writing research-based academic essays. Not available to student who have credit for ENGL 10803 or ENGL 10833.

**ENGL 10803 Introductory Composition: Writing from Sources.** Prerequisite to all advanced writing courses at TCU. Strategies for reading, evaluating, and responding to written texts in academically productive ways, and for revising and editing students' own work. The course also teaches students how to present their own ideas and how to incorporate the ideas of others into their own writing. Course activities include writing summaries, analyses, syntheses, and arguments.

**ENGL 10803 Introductory Composition: Writing from Sources.** Prerequisite to all advanced writing courses at TCU. Strategies for reading, evaluating, and responding to written texts in academically productive ways, and for revising and editing students' own work. The course also teaches students how to present their own ideas and how to incorporate the ideas of others into their own writing. Course activities include writing summaries, analyses, syntheses, and arguments.

**ENGL 10833 Comp: Freshman Seminar.** Topics may vary each time it is offered.

**ENGL 20403 Major British Writers.** Studies of texts by major British writers from the beginnings of English literature to the present. Texts vary by semester.

**ENGL 20433 Introduction to Shakespeare.** Introduction to and analysis of 6-7 plays, with reference to the sociocultural context in which the plays were composed and the ways they (and their author) have been interpreted and appropriated since the late sixteenth century. This course is designed for undergraduates with little or no preparation in literary studies.

**ENGL 20503 Major American Writers.** Studies of texts by major American writers from the beginnings of American literature to the present. Texts vary by semester.

**ENGL 20533 The American Dream.** The American success dream as depicted and evaluated by major writers from Colonial times to the present.

**ENGL 20583 The Western.** The American West and the Western hero in fiction, from James Fenimore Cooper to selected contemporary authors.

**ENGL 20603 Western World Literature I.** Two period surveys, the first from ancient Greece to the Renaissance, and the second from the Enlightenment to the present. The primary emphasis will be historical, but individual instructors may vary the choice and treatment of texts to explore important developments of theme (e.g., the hero, journey, monsters) or genre (e.g., tragedy, epic, romance, lyric). Students may take both courses or either course.

**ENGL 20613 Western World Literature II.** Two period surveys, the first from ancient Greece to the Renaissance, and the second from the Enlightenment to the present. The primary emphasis will be historical, but individual instructors may vary the choice and treatment of texts to explore important developments of theme (e.g., the hero, journey, monsters) or genre (e.g., tragedy, epic, romance, lyric). Students may take both courses or either course.

**ENGL 20623 Women in Literature and Culture.** Using gender as a category for literary and cultural analysis, this course examines women writers who create forms of expression as well as contribute to traditional genres. The course may focus on a specific historical period or may cover a more extensive time span. Writers may include Sappho, Marie de France, Behn, Wollstonecraft, Bronte, Austen, Dickinson, Woolf, Hurston, Welty, Plath, Morrison, Kingston, Tan, Joubert, McCafferty, Maraga, and Menchu.

**ENGL 20633 Mythology.** Study of major Greek and Roman myths, gods, and heroes, as these reflect cultural values and problems, and including some study of major literary forms.

**ENGL 20643 Fable and Fantasy.** An examination of a wide range of texts, some that are classified as fable or fantasy literature as well as some that incorporate elements from these genres. The course may focus on a specific historical period or may cover a more extensive time span. Texts may include *The Arabian Nights*, Lucian's *A True History*, Aesop's and Marie de France's *Fables*, medieval Arthurian romances, eighteenth- to twentieth-century versions of fairy tales, Ursula LeGuin's *A Wizard of Earthsea*, Salman Rushdie's *The Satanic Verses*, and Naguib Mahfouz's *Arabian Nights and Days*.

**ENGL 20653 The Romantic Imagination.** A study of the means by which the spirit of romanticism is embodied in literature since the late 18th century.

**ENGL 20733 Science Fiction.** Historical development of science fiction as a literary genre with particular attention given to significant authors and themes.

**ENGL 20743 Detective Novel.** Detective and suspense fiction in its social and historical context, illustrated by selected major works and authors.

**ENGL 20803 Intermediate Composition: Writing within Communities.** Prerequisite: English 10803 and sophomore standing 24 hours. Strategies for adjusting one's writing to a variety of tasks, genres, contexts, and audiences. The course also teaches research techniques, with an emphasis on identifying sources that are valuable to a given community and building an argument from them. Course activities include critical reading, collaborative writing and editing, and revising for style.

**ENGL 20913 Literature and Civilizations I.** This two-semester sequence explores the role of literary, rhetorical and dramatic expression in the development of cultural ideas, institutions and values. The first semester will focus on the cultural foundations of Britain and the United States; the second semester will focus on responses to these developments registered within various literary and rhetorical texts from around the world.

**ENGL 20923 Literature and Civilizations II.** Prerequisite: ENGL 20913. This two-semester sequence explores the role of literary, rhetorical and dramatic expression in the development of cultural ideas, institutions and values. The first semester will focus on the cultural foundations of Britain and the United States; the second semester will focus on responses to these developments registered within various literary and rhetorical texts from around the world.

**ENGL 30003 Junior Honors Seminar.** Independent projects in literature.

**ENGL 30103 Introduction to Literary Theory.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An introductory investigation into the peculiar aesthetic problems involved in reading and interpreting literary language. Particular attention is given to the tensions between literature, readers, and cultural contexts. Both traditional and contemporary approaches are examined. Readings range from folk tales to literary classics to recent writing in the philosophy of language.

**ENGL 30113 British Literature to 1800.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An introductory investigation into the peculiar aesthetic problems involved in reading and interpreting literary language. Particular attention is given to the tensions between literature, readers, and cultural contexts. Both traditional and contemporary approaches are examined. Readings range from folk tales to literary classics to recent writing in the philosophy of language.

**ENGL 30123 British Literature since 1800.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Two period surveys, the first of medieval and early modern literature, and the second of nineteenth- and twentieth-century literature. Both courses will consider literary antecedents, the conventions of various genres, the cultural circumstances of composition, and interpretive strategies. Students may take both courses or either course. The English Department recommends that ENGL 30113 and 30123 be taken consecutively.

**ENGL 30133 American Literature to 1900.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Two period surveys, the first from Colonial times to the Realist movement, and the second from the Realist movement to the present. Both courses will consider literary antecedents, the conventions of various genres, the cultural circumstances of composition, and interpretive strategies. Students may take both courses or either course. The English Department recommends that ENGL 30133 and 30143 be taken consecutively.

**ENGL 30143 American Literature since 1900.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least

one 10000- or 20000-level ENGL course. Two period surveys, the first from Colonial times to the Realist movement, and the second from the Realist movement to the present. Both courses will consider literary antecedents, the conventions of various genres, the cultural circumstances of composition, and interpretive strategies. Students may take both courses or either course. The English Department recommends that ENGL 30133 and 30143 be taken consecutively.

**ENGL 30213 Advanced Composition.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A development of the principles, primarily of exposition, into a more advanced level of composing than might be expected of the first year college student.

**ENGL 30223 Technical Writing and Document Design.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A course in practical communication with a concentration on report writing, including oral presentations and use of visual materials. Assignments are tailored to fit students' major fields and professional interests. Students may not receive credit for both ENGL 30223 and ENGL 40243.

**ENGL 30233 The Essay.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Primarily a writing course with an emphasis on developing a personal style appropriate to private journal, letters, or magazine journalism, the course includes reading of major essayists from the Renaissance to the present.

**ENGL 30243 Rhetorical Practices in Culture.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Appropriation of the vocabulary, taxonomies, and strategies of classical and modern rhetoric for the purposes of critical inquiry into contemporary communication and behavior.

**ENGL 30253 Rhetorical Traditions.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An introduction to the ideas, issues and individuals that shaped rhetoric and its relationship to literature and poetics, including the relationship between orality and literacy, the impact of cultural and religious views on discourse, and the role of technology in communication.

**ENGL 30263 Style and Usage.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Analysis of the ways in which writers deploy vocabulary and syntax to create a prose voice that is responsive to the demands of audience, purpose, and occasion.

**ENGL 30273 Argument and Persuasion.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Analysis of the logic by which writers construct arguments; analysis of the various means that writers use to persuade an audience; practice in writing one's own argumentative and persuasive discourse.

**ENGL 30283 Cyberliteracy.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. This course will investigate issues related to cyberliteracy: what it means to read, write, communicate, and make knowledge in a digital world. In particular, the course will consider how computer technologies challenge traditional notions of literacy, identity, and community.

**ENGL 30303 Modern Grammar.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A survey of modern approaches to English grammar, traditional, structural, and transformational, with an emphasis on generative-transformational theory. Students are introduced to modern developments in phonology, morphology, syntax, and semantics as time permits.

**ENGL 30313 Introduction to Language Study.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A general survey, for the nonspecialist, of language history, structure, acquisition, and diversity.

**ENGL 30323 Comparative Linguistics.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Language is an integral part of life, and disputes over language are often very divisive. These disputes typically involve comparison of one form of language with another and are usually accompanied by value judgments. In this course we examine the nature of the differences among language varieties. In the process, we will explore the ways in which language is shaped by how people use and view it and the ways in which it affects those who use it.

**ENGL 30413 British Literature to 1500.** Prerequisite: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course, and ENGL 30113 or permission of instructor. A survey of Old and Middle English literature from Beowulf to medieval drama. Emphasis is on introducing a wide range of medieval poetic and narrative forms including epic, lyric and romance, and a selection of recurring themes such as pilgrimage, death and antifeminism. Some texts are read in modern English translations.

**ENGL 30423 Early British Drama.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Survey of early British dramatic literature, from morality- and mystery-plays of the 15th century through revenge tragedies and city comedies of the 16th and 17th. The course examines drama as a cultural force and traces the growth of tragic and comic genres.

**ENGL 30433 Renaissance Poetry.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Survey of 16th- and 17th-century English verse, with particular attention to aesthetic, political, and religious functions of poetry; the status of poets in early modern England; and the effects of societal changes on the production of poetry in the period.

**ENGL 30443 Twentieth Century Irish Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A survey of drama, poetry, prose and film from all 32 counties of Ireland beginning with the Irish literary revival exemplified by, for example, W.B. Yeats, Augusta Gregory, James Joyce, J.M. Synge and concluding with Ireland's second renaissance e.g., works by Seamus Heaney, Paula Meehan, Roddy Doyle, Brian Friel, and Neil Jordan.

**ENGL 30453 The Victorian Novel.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. This course examines the genre of the Victorian novel, asking why it emerges in this period to challenge the preeminence of poetry, why realism becomes its dominant style, and how particular novelists respond to the substantial changes occurring in British society, including industrialization, political reform, and changing relations between the sexes and classes.



**ENGL 30463 British Literature: The Bloomsbury Group.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A survey of British, American and Anglophone women poets from the 16th century to the present. Emphasis will be given to women writers' engagement with, contribution to, and rewriting of poetic tradition; to the social and historical conditions affecting women's poetic production; and to the relation between poetry, poetics, and theories of gender.

**ENGL 30473 Wilde Years: Oscar Wilde and the 1890s.** This course examines the writings of Oscar Wilde and his contemporaries to explore how literature constructs and reflects gender, sexuality, and social debates. Particular attention will be given to diverse sexualities represented by New Woman writers, new theories of "sexual inversion" developed in the 1890s, and Oscar Wilde's trials and imprisonment on the grounds of indecency with another man.

**ENGL 30493 Women Poets and Poetic Tradition.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A survey of British, American and Anglophone women poets from the 16th century to the present. Emphasis will be given to women writers' engagement with, contribution to, and rewriting of poetic tradition; to the social and historical conditions affecting women's poetic production; and to the relation between poetry, poetics, and theories of gender.

**ENGL 30503 The Roaring Twenties.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A study of major American authors emerging in the Twenties, the cultural context for their art, and the influences of their achievements.

**ENGL 30513 American Poetry.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Survey emphasizing major poets from Colonial times to the present, including some poetic theory and criticism.

**ENGL 30523 Sports in Modern American Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An examination of the question of why so many of modern America's greatest authors employ sports-centered materials in their work. The readings will focus on baseball, football, basketball, and boxing.

**ENGL 30533 Modern American-Jewish Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A survey of the contributions of major American-Jewish authors to modern American literature. Prospective students need no special knowledge, since this is a course in American literature and not in Judaism.

**ENGL 30543 The American Short Story.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A survey of the American short story from its origins to the present.

**ENGL 30553 19th Century American Novel.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Development of the American novel from its origins through the beginning of the 20th Century. Readings may include works by James Fenimore Cooper, Nathaniel Hawthorne, Herman Melville, Louisa May Alcott, Henry James, Harriet Beecher Stowe, Mark Twain, Sarah Orne Jewett, and Frank Norris, and will emphasize the novels' close ties to contemporaneous social, scientific, and political issues.

**ENGL 30563 American Drama.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Representative plays by the major playwrights of the American theatre. Movements in theater and changes in theatrical conventions will provide a historical context. Limited readings in criticism.

**ENGL 30573 Travail and Triumph: A Survey of African-American Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An analysis of the fiction, poetry, drama and essays of African-Americans from the slave era through post-civil rights, exploring chronologically the historical, social, cultural and racial contexts which shape the literature.

**ENGL 30583 Early American Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. The development of American literature from the period of earliest settlement through the era of the Early Republic, emphasizing the religious and socio-political evolution of American thought; attention will also be given to the development of imaginative literature, such as the novel. Among the figures included will be William Bradford, Anne Bradstreet, Edward Taylor, Thomas Jefferson, Benjamin Franklin, Susannah Rowson, and Charles Brockden Brown.

**ENGL 30593 American Fiction, 1960 to the Present.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A study in the development of American Fiction from 1960 to the present. Explores the relationship between literature and the concerns of contemporary society. Examines current trends and topics in American Fiction and introduces students to recent literary analysis and critical debates.

**ENGL 30613 Women's Lives: Memoir and Fiction.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Readings in contemporary women's writing that reflect women's lives and experiences with self, family, and society, with some attention to the theory and practice of writing the memoir. Discussion of works as both literature and social commentary.

**ENGL 30623 Medieval Literature in Translation.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A survey of major thinkers and writers of the West from the fall of Rome to 1500, in part devoted to drawing a coherent picture of medieval thought: Heavenly versus earthly order; the nature of desire; the power of human agency; the value and uses of the past, including the classical past; gender roles. The often surprising ways in which individual writers deviate from and even criticize this cultural heritage.

**ENGL 30633 Medieval and Early Modern Women Writers.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. The development of beliefs about women's roles and characters and the ways these beliefs were accepted, challenged, or discredited. Authors studied are writers of prose fiction, poetry, drama, autobiography, biography, letters, religious visions. They may include Christine de Pizan, whose *Book of the City Ladies* (1405) attempts to counteract the negative view of women, and Aphra Behn, whose *Oroonoko, or the Royal Slave* (1688) questions hierarchizing of people according to gender, ethnicity, religion, and class.

**ENGL 30643 The Bible as Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one

10000- or 20000-level ENGL course. A study of Biblical works as examples of literary types; poetry, short story, essay, drama.

**ENGL 30673 King Arthur in Literature and Legend.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Surveys the growth of the Arthurian tradition from legend and medieval literature into the 19th and 20th centuries, with special attention to Malory, Tennyson, Twain, and Bradley.

**ENGL 30683 Post-Colonial Anglophone Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. This course examines contemporary writers of English whose literary works were influenced or shaped by colonialism or its aftermath. Emphasis will be placed on writers from India, Australia, Ireland, Africa or the Caribbean.

**ENGL 30693 Multi-Ethnic Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An analysis of the fiction, poetry, drama and essays of major ethnic writers from the United States and other parts of the world. From a comparative angle, this course will explore the historical, social, cultural and racial contexts which shape the literature. Several critical approaches will be taken to show interrelationships among writers.

**ENGL 30723 Short Story.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A survey of the development of the genre through the 19th and 20th centuries.

**ENGL 30733 Satire.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Examines the nature and uses of satire, concentrating on the variety of satiric forms. Readings will include prose fiction, essays, and poetry written by European and American satirists.

**ENGL 30753 Literature and Film.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A study of aesthetic and ideological differences, considering both how various literary works have been filmed and how films images may be analyzed using interpretive techniques developed by literary criticism.

**ENGL 30773 India: Texts and Traditions.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A consideration of selected classic works of religious and literary imagination in Indian culture. Versions and interpretations of the Hindu epics Mahabharata and Ramayana will be examined in translation.

**ENGL 30783 Working-Class Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A study of the working class in fiction, poetry, and essays. Some attention will also be given to portrayals of the working class on TV, in film, and in photography.

**ENGL 30973 Directed Studies in English.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Directed Study in English.

**ENGL 40003 Senior Honors Seminar.** Independent projects in literature resulting in Senior Honors Thesis.

**ENGL 40123 Literary Criticism.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An historical study of major developments in the theory of literature since Plato. The first half of the course surveys representatives of the most important positions, the second half surveys how these positions remain influential in 20th century thought.

**ENGL 40203 Creative Writing-Fiction.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An advanced fiction-writing workshop, focusing on the growth of students' own work. Enrollment requires instructor's permission.

**ENGL 40213 Creative Writing-Poetry.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An advanced poetry-writing workshop, focusing on the growth of students' own work. Enrollment requires instructor's permission.

**ENGL 40223 Creative Writing-Drama.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An advanced drama-writing workshop, focusing on the growth of students' own work. Enrollment requires instructor's permission.

**ENGL 40233 Writing for Publication.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A survey of the possibilities of writing for magazine publication and the construction of essays and articles for specific markets.

**ENGL 40243 Professional Writing and Editing.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A course in writing and editing appropriate to diverse professions. Examples from the writing of lawyers, scientists, and other professional writers are used as models and for editing practice. Students learn to write prose that is lucid, concise, and graceful. Students may not receive credit for both ENGL 30223 and ENGL 40243.

**ENGL 40253 Propaganda Analysis and Persuasion.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. The nature of persuasive discourse and social movements involving propaganda explored through illustrations and theories that facilitate their understanding.

**ENGL 40273 Writing Internship.** Prerequisites: 60 credit hours; GPA of 3.0, English GPA of 3.0; approval of the department. Students are placed with agencies in publishing or related fields for workplace experience. Duties, varied to fit the needs and opportunities associated with the participating agencies, generally include writing, editing, and production of published documents.

**ENGL 40323 History of the Language.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. The study of the origins and development of Modern English.

**ENGL 40333 Language and Society.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An introduction to the ways in which social organizations influence the development of language and language creates cultural patterns.

**ENGL 40403 Chaucer.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course, and 30113 or permission of instructor. An intensive study of Chaucer's major poetry, especially *The Canterbury Tales* and *Troilus and Criseyde*, in Middle English. Emphasis is on Chaucer as inheritor and innovator of medieval ideas about God, social order, gender, authorship, the morality of reading and the function of poetry. Some prior experience with early literature is expected.

**ENGL 40413 Renaissance in England.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. The prose writers, dramatists, and poets of sixteenth- and seventeenth-century England in relation to the cultural circumstances influencing and being influenced by their works. Topics may include the prospect and enactment of censorship; the centrality of the patronage system; courts and courtiers; changing views of monarchy and obedience; religious controversy; issues of gender, ethnicity, and class; literature and science; pseudo-nonfictional strategies; adaptations of the bible, history, and mythology; and early book production and circulation.

**ENGL 40423 Restoration and 18th Century Literature, 1660-1790.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. The poetry and prose of Pepys, Dryden, Prior, Pope, Swift, Defoe, Thomson, Goldsmith, Gray, Johnson, Burns, and others writing between 1660 and 1798.

**ENGL 40433 19th Century Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A general survey of British literature from 1790-1900.

**ENGL 40443 20th Century Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A general survey of British literature from 1900 to the present.

**ENGL 40453 British Novel to 1832.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Survey of the novel through the early 19th century.

**ENGL 40463 British Novel since 1832.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Survey of the novel from the mid-19th century to the present.

**ENGL 40483 Shakespeare and Marlowe.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Comparative study of several plays each by Shakespeare and Marlowe, placing their work in historical and social contexts. Reading includes historical documents and literary theory.

**ENGL 40493 Shakespeare.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An intensive study of Shakespeare's major works. Emphasis will be on developing interpretive strategies for understanding Shakespeare's aesthetic achievement within larger literary and historical contexts. Topics may include attention to how Shakespeare's works were written, performed, and published as ways of understanding their significance to both early modern and contemporary culture.

**ENGL 40523 Emerson and Thoreau.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Works of two 19th century American literary masters, read in their social and historical context.

**ENGL 40533 Toni Morrison.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An intensive study of the works of Toni Morrison. Attention will also be given to the cultural contexts (historical and contemporary) which structure the worlds of Morrison's fiction and influence the reception of her work.

**ENGL 40543 Studies in Early American Literature.** Prerequisites: ENGL 10803 (or 10833) and one 20000-level ENGL course (excluding 20803). Concentrated study of American literature before 1830. Topics, genres, authors, and approaches will vary by semester. May be taken more than once for credit under different sub-headings.

**ENGL 40553 Studies in Nineteenth-Century American Literature.** Prerequisites: 10803 (or 10833) and one 20000-level ENGL course (excluding 20803.) Concentrated study of American literature, 1800-1899. Topics, genres, authors, and approaches will vary by semester. May be taken more than once for credit under different sub-headings

**ENGL 40583 Contemporary American Poetry.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Intensive study of contemporary American poets, poetic movements and relevant issues in aesthetics.

**ENGL 40593 Faulkner.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Examination of several of Faulkner's major Yoknapatawpha County novels and of Faulkner scholarship. The course will be a mixture of lecture and discussion.

**ENGL 40653 Renaissance Literature and the 'New' Science.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. This course examines how and why artists and scientists in the century c. 1550-1650 interacted intellectually as they did. Topics include influences of scientific developments and discoveries upon European (chiefly British) letters; strategies used by writers to appropriate, revise, or contest scientific development in astronomy, medicine, philosophy and other disciplines; and relationships between scientific and literary discourses of change.

**ENGL 40663 Modern Fiction.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Considerations of modernism as a literary movement with readings in modernist fiction. Among figures included will be Dostoevsky, Mann, Kafka, Ellison, Faulkner, Barth, and Barthelme.

**ENGL 40673 Modern Drama.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. Close study of representative plays marking significant movements in modern theater, including realism, surrealism, absurdism, and the theatre of alienation.

**ENGL 40693 20th Century British and Irish Poetry.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An intensive study of contemporary British and/or Irish poets, poetic movements and relevant issues in aesthetics.

**ENGL 40733 Social History of Children's Literature.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. British and American children's literature of the 19th and 20th centuries examined in its social and historical context and illustrated by selected major themes, works, and authors.

**ENGL 40743 The Long Novel.** Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. An intensive study of the pleasures and difficulties of long novels, which represent a unique genre of literature. Each semester focuses on three or four novels generally regarded as works of tremendous influence, but which may be too involved for study in survey courses. The novels will be selected from different periods, cultures, and languages.

**ENGL 50233 Studies in Creative Writing.** Prerequisites: ENGL 10203, and 20803. Prior to enrollment, students are also strongly encouraged to take the 30000-level course appropriate to the semester's genre. ENGL 50233 is an intensive creative writing workshop open to students (graduate and advanced undergraduates) who have a strong background in literature and imaginative writing. Depending on the semester and the selected genre, this course will pay special attention to invention, point-of-view, voice, form, and genre-appropriate theory.

**ENGL 50243 Teaching Writing.** Prerequisites: ENGL 10803 or 10833, and one 20000-level ENGL course. A course for teachers of English combining theories of composition with practical pedagogy and classroom strategies for the teaching of writing. Not applicable toward degree requirements for the Ph.D. in English.

**ENGL 50253 Classical Rhetoric.** Prerequisite: Junior or senior standing, permission of instructor. This course examines the emergence of rhetoric in Antiquity and traces the impact of classical rhetoric up to the Middle Ages. A substantial amount of the course is devoted to learning about the relationship between oral and written discourse, the impact of literacy, and the adaptability of systems of communication to technology and society. The implications of such phenomena are examined in different periods in an effort to develop an historical perspective about the relationship between cognition and expression within cultural conditions.

**ENGL 50603 Classical Drama.** Prerequisites: ENGL 10803 or 10833, and one 20000-level ENGL course. The study of plays surviving from ancient Greece and Rome.

**ENGL 50973 Directed Study in English.** Prerequisites: ENGL 10803 or 10833, and one 20000-level ENGL course. Directed Study in English.

# Geography

## [Courses of Instruction](#)

### (GEOG)

Administered by the Department of History.

Available as a major on the B.A. degree and as a minor on the B.A. and B.S. degrees.

**Requirements for the B.A. degree with a major in Geography.** No grade lower than "C" can be applied to the major. 30 semester hours including:  
 GEOG 10003 World Regional Geography  
 GEOG 20013 Human Geography  
 GEOL 10113 Understanding the Earth

At least six hours of the following regional courses:

GEOG 30503 Topics in Regional Geography  
 GEOG 30513 United States  
 GEOG 30523 Latin America  
 GEOG 30533 Western Europe

At least six hours of the following systematic courses:

GEOG 30703 Topics in Systematic Geography  
 GEOG 30713 Urban Geography  
 GEOG 30723 Cultural Geography

And at least three hours of the following Geology courses:

GEOL 30113 Weather and Climate  
 GEOL 40493 Geomorphology

A maximum of six hours from the following list of approved courses may be applied toward the major:

ANTH 30723 Ethnology of Selected Areas  
 BIOL 50313 Biogeography  
 GEOL 50113 Soils  
 GEOL 50493 Physical Hydrology  
 GEOL 50721 Geographic Information Systems  
 GEOL 50731 Remote Sensing Technology  
 GEOL 50741 Image Processing  
 GEOL 50751 Image Interpretation  
 GEOL 50762 Advanced GIS

**Requirements for a minor in Geography.** Eighteen semester hours including GEOG 10003, GEOG 20013, nine semester hours of upper-division geography courses, and 3 semester hours from GEOL 10113, GEOL 30113, or GEOL 40493. No grade lower than "C" can be applied to the minor.

**Pass/No-Credit Option.** Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in Geography are subject to the pass/no credit policy of their major department.

### Courses of Instruction

**GEOG 10003 World Regional Geography.** A survey of the world's primary regions and the human and physical geography that shape them. Interactions between natural environment, cultural geography, geopolitics, history, land use, and economic geography are highlighted.

**GEOG 20013 Human Geography.** The systematic subdivisions of human geography are surveyed, including urban, cultural, political, economic, historical, agricultural, and population geography. Within each subdiscipline, applications of geographic concepts and processes are emphasized.

**GEOG 30503 Topics in Regional Geography.** An analysis of the human and physical geography of a specific region. Examples of regions include Texas, Sub-Saharan Africa, and Eastern Europe. Regional characteristics investigated may include economic, political, historical, and cultural components as well as topography, climate, and natural resources. May be repeated for credit provided the specified region changes.

**GEOG 30513 Geography of the United States.** An exploration of the human and physical geography of the United States. Areas of the country, such as the Pacific Northwest and New England, will be surveyed, analyzing the physical, historic, cultural, and economic characteristics that embody their unique regional identities.

**GEOG 30523 Geography of Latin America.** An exploration of the human and physical geography of Latin America. This course analyzes Latin America from a geographical perspective and addresses topics such as landforms, climate, environmental hazards, indigenous peoples, culture, ethnicity, religion, agriculture, political geography, population, cities, and economic production.

**GEOG 30533 Geography of Western Europe.** An exploration of the human and physical geography of Western Europe. Countries and regions of the realm will be surveyed, analyzing their economic, political, language and religious characteristics as well as topography, climate, and natural resources. Themes may include the impact of

population trends, environmental problems, trade and economic development, interactions between ethnic groups, and geopolitical change.

**GEOG 30703 Topics in Systematic Geography.** Concepts, principles, patterns, and processes associated with a specific subdiscipline in geography. Examples of topics include Economic Geography, Geopolitics, Medical Geography, and Physical Geography. May be repeated for credit provided the specified subdiscipline changes.

**GEOG 30713 Urban Geography.** Urban Geography is the geographical study of cities. Examples of topics include: urban ecosystems; the role of physical geography in the origins and growth of cities; theoretical models of urban size, location, and land use structure; the internal geography of urban economic and social activity; and international and historical variation in the form, functions, and degree of urbanization.

**GEOG 30723 Cultural Geography.** Cultural Geography is the study of human culture from the perspectives of its five geographic themes: culture region, diffusion and migration, cultural ecology, cultural landscape, and cultural integration. Each theme is applied to a variety of topics, which may include religion, language, cultural conflict, folk culture, popular culture, and demography.

**GEOG 30970 Topical Studies in Geography.** Topical studies in Geography.

**GEOG 40010 Field Studies in Geography.** An intensive field study in the regional and systematic geography of a selected area. Examples include France, Central America, and the American West. May be repeated for credit provided the selected area changes.

**GEOG 50970 Special Studies in Geography.** Supervised reading, research, and preparation of a substantial paper focused on a specific regional analysis or topical subdiscipline of geography. Regional characteristics investigated may include economic, political, historical, and cultural components as well as topography, climate, and natural resources. Examples of topics include advanced studies in Urban Geography, Cultural Geography, Geopolitics, and Historical Geography.

# History

[Course Categories](#)

[Courses of Instruction](#)

## (HIST)

Available as a major on the B.A. degree and as a minor on the B.A. and B.S. degrees.

**Requirements for the B.A. degree with a major in History.** 30 semester hours in history courses, which will include the following:

-- A minimum of 9 hours of survey courses, drawn from at least three out of the following four categories:

US: HIST 10603, 10613 (or the Honors equivalents 20603, 20613)

Europe: HIST 10203, 10213, 10223 (or 20203, 20213, 20223)

Latin America: HIST 10923, 10933 (or 20923, 20933)

Asia: HIST 10943, 10953 (or 20943, 20953)

A maximum of 12 hours (at any level) in any one of these geographic areas may be counted towards the requirements for the major. Geographic association is indicated by the abbreviations US, EU, LA, and AS. Students who complete the Honors Intellectual Traditions track (HHIT 10113, 20123, 20133) may count these towards a history major or minor in lieu of the European survey courses.

-- A minimum of 12 hours taken in courses numbered 30000 or above.

-- History majors must take one History Major Seminar. The department will offer one of the four seminars each semester. The four History Major Seminars are:

HIST 49963 History Major Seminar in the History of the United States

HIST 49973 History Major Seminar in the History of Europe

HIST 49983 History Major Seminar in the History of Asia

HIST 49993 History Major Seminar in the History of Latin America

The department recommends that this course be taken during the junior year; students are encouraged to take it prior to the semester in which the student plans to graduate. It is available to history majors only. Students pursuing departmental honors may, with the approval of the advisor, substitute a History Major Seminar for the Juniors Honors Tutorial (HIST 30153) as preparation for completing the honors thesis.

**Requirements for a minor in History.** 18 hours, to be distributed as follows:

-- A minimum of 9 hours of survey courses, drawn from at least three out of the following four categories:

US: HIST 10603, 10613 (or the Honors equivalents 20603, 20613)

Europe: HIST 10203, 10213, 10223 (or 20203, 20213, 20223)

Latin America: HIST 10923, 10933 (or 20923, 20933)

Asia: HIST 10943, 10953 (or 20943, 20953)

(Three hours from HIST 10203-10213-10223 and three hours from HIST 10603-10613 are recommended, but are not required.) Students who complete the Honors Intellectual Traditions track (HHIT 10113, 20123, 20133) may count these towards a history major or minor in lieu of the European survey courses.

--6 hours must be 30000 or above.

**Requirements for Secondary Certification.** 24 semester hours which will include two of the three European survey courses (HIST 10203, 10213, or 10223), HIST 10603 and 10613 or 10903 and 10913, HIST 40743, and 9 semester hours at the 30000 level or above.

**Honors Program.** History majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in HIST 30153 during their junior year and HIST 40103 during the fall semester of their senior year.

**Honor Society.** The Department of History sponsors the Eta Kappa Chapter of Phi Alpha Theta, national honor society in the discipline of history.

**Pass/No Credit Option.** Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in History are subject to the pass/no credit policy of their major department.

## Course Categories

HIST 10003 History of Civilization.

HIST 10003 History of Civilization: A Survey To 1500.

HIST 10003 History Of Civilization: Great Figures in World History to 1500.

HIST 10013 History of Civilization.

HIST 10013 History of Civilization: A Survey From 1500 to The Present.

HIST 10013 History of Civilization: Great Figures In World History From 1500 to The Present.

HIST 10203 Origins of Western Civilization: Europe to 1348.

HIST 10213 The World Expanded: Europe 1348-1789.

HIST 10223 Modernization and Its Discontents: Europe 1789 to the Present.

HIST 10433 Freshman Seminar in History.

HIST 10533 Freshman Seminar in History.  
 HIST 10603 United States History: A Survey to 1877.  
 HIST 10613 United States History: A Survey since 1877.  
 HIST 10703 African American Experience Since 1619.  
 HIST 10903 Ethnic Elements of American History.  
 HIST 10913 Ethnic Elements of American History.  
 HIST 10923 Latin American History: Colonial Period.  
 HIST 10933 Latin American History: National Period.  
 HIST 10943 Asian Civilization to 1500.  
 HIST 10953 Asian Civilization Since 1500.

#### **Classical Studies: The Ancient World**

HIST 30003 The Greek World.  
 HIST 30013 The Roman Republic and Empire.  
 HIST 30023 Ancient Egypt and the Near East.  
 HIST 30033 Ancient Mysteries: Sense and Nonsense.

#### **The Middle Ages**

HIST 30133 The Middle Ages.

#### **Early Modern Europe**

HIST 30203 The Renaissance.  
 HIST 30213 The Reformation.  
 HIST 30223 The Seventeenth Century.  
 HIST 30233 Enlightenment Europe.  
 HIST 30243 History of Spain and Portugal to 1830.

#### **Modern Europe**

HIST 30303 The Age of Great Transformation: Europe, 1815-1870.  
 HIST 30313 The End of an Era: Europe, 1870-1918.  
 HIST 30323 Peace or Pause?: Europe, 1919-1945.  
 HIST 30333 A Whole New World: Europe since 1845.  
 HIST 30343 The French Revolution: from Subjects to Citizens.  
 HIST 30353 France 1815 to the Present: The Quest for the Republic.  
 HIST 30363 Modern Germany, 1815 to the Present  
 HIST 30373 European Thought and Culture, 1800 to the Present.

#### **Russia and Asia**

HIST 30403 History of Russia to 1861.  
 HIST 30413 History of Russia from 1861 to the Present.  
 HIST 30423 Central Europe since 1700.  
 HIST 30433 History of China and Japan from Earliest Times to the 19th Century.  
 HIST 30443 History of China from 1800 to the Present.  
 HIST 30453 History of Japan from 1800 to the present.

#### **England and the British Empire**

HIST 30503 History of England to 1603.  
 HIST 30513 History of England and Great Britain since 1603.  
 HIST 30523 Tudor-Stuart England, 1485-1714  
 HIST 30533 England, 1815-1901, Politics, Prudery, and the Pax Britannica.  
 HIST 30543 Twentieth-Century Britain, Empire to Welfare State: 1901 to the Present.  
 HIST 30563 The British Empire, 1603-1857.  
 HIST 30573 British Empire and Commonwealth, 1857-1975.  
 HIST 30583 Living in London.  
 HIST 30593 Making of Modern England.

#### **Latin America**

HIST 30913 History of Central America.  
 HIST 30923 The United States and Latin America.  
 HIST 30933 Revolution in Latin America.  
 HIST 30943 The Spanish Borderlands.  
 HIST 30953 History of Argentina and Chile.  
 HIST 30963 History of Brazil.  
 HIST 30973 Biography in Latin American History.  
 HIST 30983 Aztecs, Incas, and Mayas: The Indians of Middle and South America.  
 HIST 30993 History of Mexico.  
 HIST 41903 History of Cuba.

#### **Period Studies in U.S. History**

HIST 40603 Colonial America: From the Age of Discovery to 1763.  
 HIST 40613 Revolutionary America, 1763-1789  
 HIST 40623 The Age of Jefferson, 1789-1828.  
 HIST 40633 The Age of Jackson, 1829-1860.  
 HIST 40643 Civil War and Reconstruction, 1861-1876.  
 HIST 40653 The Progressive Period in American History, 1877-1919  
 HIST 40663 America Between World Wars, 1919-1941  
 HIST 40673 The United States from 1941 to 1975 US from 1941 to 1975.

#### **Topical Studies in U.S. History**

HIST 20763 U. S. Military History.  
 HIST 40683 Foundations of American Foreign Policy: From Colony to Empire  
 HIST 40693 The United States as a Great Power: Its Foreign Policy from World War I to the Present.  
 HIST 40703 Indians of the United States.  
 HIST 40713 Indians of the Greater Southwest



HIST 40723 The Early American Frontier.  
 HIST 40733 The American West.  
 HIST 40743 History of Texas.  
 HIST 40763 The Old South.  
 HIST 40783 Constitutional History of the United States.  
 HIST 40793 Business in American Life.  
 HIST 40803 History of Medicine and Public Health.  
 HIST 40823 The New South, 1877-Present.  
 HIST 40833 The American Presidency.  
 HIST 40843 The Vietnam War  
 HIST 40853 American Environmental History.  
 HIST 40863 American Sport History.

#### **Honors and Pre-Honors Courses**

HIST 20003 Honors Western Civilization to 1500.  
 HIST 20013 Honors Western Civilization from 1500.  
 HIST 20203 Origins of Western Civilization: Europe to 1348 (Honors).  
 HIST 20213 The World Expanded: Europe 1348-1789 (Honors).  
 HIST 20223 Europe 1789 to the Present (Honors).  
 HIST 20603 The American Mind (HON).  
 HIST 20923 Honors History of Latin American Civilization to 1830.  
 HIST 20933 Honors History of Latin American Civilization since 1830.  
 HIST 20943 Honors History Asian Civilization to 1500.  
 HIST 20953 Honors History of Asian Civilization Since 1500.  
 HIST 30153 Junior Honors Tutorial  
 HIST 40103 Senior Honors Project

#### **Topical Studies in History**

(Area selected by student)

HIST 30970 Topical Studies in History  
 HIST 40003 The Women's Movement in England and America, 1792-1972  
 HIST 40013 History of War.  
 HIST 40023 Women in the Western World since 1500.  
 HIST 40033 Women and Family: 1500-1800.  
 HIST 40043 Witches, Workers and Wives.  
 HIST 50970 Special Studies in History.

#### **History Major Seminars**

HIST 49963 History Major Seminar in U.S. History  
 HIST 49973 History Major Seminar in European History  
 HIST 49983 History Major Seminar in Asian History  
 HIST 49993 History Major Seminar in Modern Latin American History

#### **Professional Courses for Archivists and Specialists**

HIST 30063 Introduction to Historical Research.  
 HIST 50063 Historical Methods  
 HIST 50070 History, Administration, and Management of Archives, I and II  
 HIST 50080 Archival Internship.  
 HIST 50933 Philosophy of History  
 HIST 50960 Historiography and Bibliography.  
 HIST 50980 Historical Writing and Editing.

#### **Courses of Instruction**

**HIST 10003 History of Civilization: A Survey to 1500.** This course provides an introduction to all the social sciences. It is required of all history majors. Examination of the developments of the foundation pillars of western civilization. Topics include the rise of civilization in the Near East, ancient Greece and Rome, the rise of Christianity, the impact of the Germanic invasions, Europe in the High Middle Ages, the Renaissance, the beginnings of overseas expansion. (NWH)

**HIST 10013 History of Civilization.** The development of European society from the Reformation to the twentieth century. Topics include the Protestant and Catholic Reformations, cultural encounters with the New World, the rise of absolutism, the Enlightenment and democratic revolutions, industrialization, the emergence of liberalism, capitalism and socialism, and the two world wars. (NWH)

**HIST 10203 Origins of Western Civilization: Europe to 1348.** This course will explore the path of European history from the origins of civilization to 1348. Its principal elements include the early societies of Mesopotamia, Egypt and Israel, the political and cultural contribution of Greece and Rome, the rise of Christianity and Islam, the characteristics of the medieval world, and the Black Death.

**HIST 10213 The World Expanded: Europe 1348-1789.** This course will explore the history of Europe in the early modern period, bracketed by the Black Death and the French Revolution. Principal themes include the artistic achievements of the Renaissance, the expansion of education and literacy, the invention of the printing press, the religious conflicts of the Reformation, the growth of centralized nation-states, the dramatic discoveries of the Scientific Revolution, and the creation of a global framework for the European experience.

**HIST 10223 Modernization and its Discontents: Europe 1789 to the Present.** This course examines the history of Europe in the nineteenth and twentieth centuries, and will identify, explore, and define the developments of modern European history. The course will focus on the common heritage and themes that make it possible to speak of 'European' history, while at the same time developing an appreciation for regional and cultural variations.

**HIST 10433 Freshman Seminar in History.** Topics may vary each time it is offered.

**HIST 10533 Freshman Seminar in History.** Topics may vary each time it is offered.

**HIST 10603 United States History: A Survey to 1877.** Review of evolution of the American nation from the discovery of the New World to the end of the Civil War era, with emphasis on major forces shaping its development. (WH)

**HIST 10613 United States History: A Survey since 1877.** Review of the emergence of the American nation through the transitional crises of the past hundred years, with emphasis on the roots of movements persisting into the modern period. (WH)

**HIST 10703 African American Experience Since 1619.** Comprehensive survey of African Americans in the United States from 1619 to 1968 with special emphasis on the internal changes (such as citizenship, work, family, culture, religion, and community) and external challenges (such as slavery, racial segregation, urbanization, industrialization, major wars, and mass migrations) faced by African Americans from the start of the Transatlantic Slave Trade to the culmination of the Civil Rights Movement.

**HIST 10903 Ethnic Elements of American History.** Comprehensive survey of the Old World antecedents, migrations, and socioeconomic contributions of the various ethnic groups comprising the American nation - Indians, Africans, Iberians, French, Dutch, English, Scots, Irish, German, Italians, Scandinavians, Eastern Europeans, Mexicans, and Asians - with emphasis on the continuing quest for identity, assimilation, and acculturation in the 20th century (WH) Note: Credit will not be awarded for both 10603 and 10903 or for both 10613 and 10913.

**HIST 10913 Ethnic Elements of American History.** Comprehensive survey of the Old World antecedents, migrations, and socioeconomic contributions of the various ethnic groups comprising the American nation - Indians, Africans, Iberians, French, Dutch, English, Scots, Irish, German, Italians, Scandinavians, Eastern Europeans, Mexicans, and Asians - with emphasis on the continuing quest for identity, assimilation, and acculturation in the 20th century (WH) Note: Credit will not be awarded for both 10603 and 10903 or for both 10613 and 10913.

**HIST 10923 Latin American History: Colonial Period.** Hispanic and native backgrounds of the Spanish Conquest; a description and analysis of the evolution of colonial institutions; the independence movements in Hispanic America. (WH)

**HIST 10933 Latin American History: National Period.** The colonial inheritances which influenced national development; political and economic trends of the nineteenth century; revolutionary trends in the twentieth century; inter-American relations. (WH)

**HIST 10943 Asian Civilization to 1500.** This course is an introduction to the history and culture of traditional Asia from Neolithic times to approximately 1500. We will focus on the major political, economic, cultural, religious and intellectual trends of the people of East, South and Southeast Asia. Students in this course will pursue a greater knowledge and understanding of Asian history and civilization through a combination of readings, lectures, videos, discussion and writing assignments.

**HIST 10953 Asian Civilization Since 1500.** This course is an introduction to the history and culture of modern Asia from approximately 1500 to 1989. We will focus on the internal changes and external challenges faced by the people and governments of such East, South and Southeast Asian states as China, Japan, Korea, India, Pakistan, Indonesia and Vietnam. Students in this course will pursue a greater knowledge and understanding of modern Asian history and civilization through a combination of readings, lectures, videos, discussion and writing assignments.

**HIST 20003 Honors Western Civilization to 1500.** \* Prerequisite: Membership in the Honors Program. In the first semester of the western civilization track, students examine a) the cultural frameworks and development of ideas about human nature; b) the political structures; c) the social and economic patterns as they evolved in the first civilizations of the near east and the creation of civilization in Europe. As the same issues are examined in the Greco-Roman world, in the Middle Ages and in the Renaissance, students analyze the development of a world-view that is peculiar to the West and its Judeo-Christian heritage. Extensive analysis through discussion and writing.

**HIST 20013 Honors Western Civilization from 1500.** \* Prerequisite: Membership in the Honors Program. In the second semester of the western civilization track, students continue to examine the distinctive development of the West. Problems include the Reformations, the rise of capitalism, the causes and consequences of European expansion and its subsequent encounters with Africa, Asia and the Americas, industrialism, the rise of new political philosophies in the wake of democratic revolutions including liberalism and socialism, the challenges posed to those ideas by the ideas and experiences of the twentieth century. Extensive analysis through discussion and writing.

**HIST 20203 Origins of Western Civilization: Europe to 1348 (Honors).** This course will explore the path of European history from the origins of civilization to 1348. Its principle elements include the early societies of Mesopotamia, Egypt and Israel, the political and cultural contributions of Greece and Rome, the rise of Christianity and Islam, the characteristics of the medieval world, and the Black Death.

**HIST 20213 The World Expanded: Europe 1348-1789 (Honors).** This course will explore the history of Europe in the early modern period, bracketed by the Black Death and the French Revolution. Principle themes include the artistic achievements of the Renaissance, the expansion of education and literacy, the invention of the printing press, the religious conflicts of the Reformation, the growth of centralized nation-states, the dramatic discoveries of the Scientific Revolution, and the creation of a global framework for the European experience.

**HIST 20223 Honors Modernization and its Discontents: Europe 1789 to the Present.** A survey of the history of Europe in the nineteenth and twentieth centuries, which examines the development of the political, social and economic systems that characterize the modern world. This course will identify, explore, and define the developments of modern European history, question why they happened, and evaluate their impact.

**HIST 20603 The American Mind (HON).** HIST 20603 covers the same era as HIST 10603 but emphasizes interdisciplinary themes of intellectual history developed in Honors Intellectual Traditions or Honors Western Civilization courses. The course will focus upon how ideas translated from the European experience to influence American history and helped create a distinctly American mind. Though a strong historical narrative will be evident, the course will include literature, politics and philosophy.

**HIST 20763 U. S. Military History.** Traces the role of the armed forces in American society through a study of the origins and developments of military institutions, traditions, and practices. Traces principal wars, including their causes, course, and effects, and treats the effects of leadership and new technologies. (WH)

**HIST 20923 Honors History of Latin American Civilization to 1830.** Through lectures, reading, classroom discussions, and research assignments, this course examines the indigenous, European, and African roots of Latin American civilization and culture; the evolution of colonial institutions and ideas; the emergence of a distinctly Latin American culture; and the independence movements that established national states in most of Spanish and Portuguese America by 1830. The course will also include some comparative analysis with other civilizations.

**HIST 20933 Honors History of Latin American Civilization since 1830.** Through lectures, reading, classroom discussions, and research assignments, this course examines the civilization and culture of modern Latin America, including the formation of national states; continuing colonial economic and political characteristics; the impact of ideas on Latin American development; class struggle and conflict between socialist and capitalist models of development; and the emergence of distinctive Latin American and national cultures.

**HIST 20943 Honors History Asian Civilization to 1500.** This course is an introduction to the history and culture of traditional Asia from Neolithic times to approximately 1500. We will focus on the major political, economic, cultural, religious and intellectual trends of the people of East, South and Southeast Asia. Students in this course will pursue a greater knowledge and understanding of Asian history and civilization through a combination of readings, lectures, videos, discussion, and writing assignments.

**HIST 20953 Honors History of Asian Civilization Since 1500.** This course is an introduction to the history and culture of modern Asia from approximately 1500 to 1989. We will focus on the internal changes and external challenges faced by the people and governments of such East, South and Southeast Asian states as China, Japan, Korea, India, Pakistan, Indonesia and Vietnam. Students in this course will pursue a greater knowledge and understanding of modern Asian history and civilization through a combination of readings, lectures, videos, discussion and writing assignments.

**HIST 30003 The Greek World.** Archaeological and cultural survey from pre-Greek beginnings to the Roman conquest of Greece. Emphasis on discovery of the Minoan and Mycenaean world, the origins of Greek civilization, life in the Greek city-state, the Greek world view, and the conquests of Alexander the Great. (NWH)

**HIST 30013 The Roman Republic and Empire.** Archaeological and cultural survey of the Roman world from its origins to the barbarian invasions. Emphasis on the origins of Rome, Roman imperialism and its impact on the Roman way of life, the Roman Revolution, the political absolutism of the empire, the historical Jesus and Christianity in the Roman context, and the decline and fall of the Roman Empire. (NWH)

**HIST 30023 Ancient Egypt and the Near East.** Archaeological and cultural survey of the ancient civilizations of Egypt and the Near East. Visual presentation of archaeological evidence is emphasized along with the origins of civilization, the life and death of civilization, comparison of different values and world views, the origin of monotheism, and the rise and decline of the Assyrian and Persian Empire. (NWH)

**HIST 30033 Ancient Mysteries: Sense and Nonsense.** A survey of ancient Mediterranean and Near Eastern history from the Paleolithic Age to the Fall of Rome, including ancient Mesopotamia, Egypt, the Levant, Greece and Rome. The course examines in a scholarly manner various topics from this period to show the history of the interest and expose common misinformation. Typical mysteries considered are the fall of Rome, the historical Jesus, the pyramids, Biblical events, the Neanderthal problem, the search for the Trojan War. (NWH)

**HIST 30063 Introduction to Historical Research.** An introduction to the techniques of historical methodology with emphasis on the role of documents and other historical artifacts, the preparation and writing of historical papers. Prerequisite: junior standing as a History major (minimum of 12 hours of history) or consent of department chairman (NWH or WH).

**HIST 30133 The Middle Ages.** A political and cultural survey of medieval civilization in the period A.D. 500-450. Topics of emphasis include the reign of Charlemagne, early Byzantine and Islamic civilization, feudalism and the code of chivalry, the manorial economy, the crusades, the conflict of state and church, the rise of towns and universities, the Hundred Years' War, and the Black Death. (NWH)

**HIST 30153 Junior Honors Tutorial.** Prerequisite: Junior standing as a history major and membership in the Honors Program. An examination of a major issue in history. This course is only offered as a tutorial and the specific topic is determined by consultation with an instructor. Arrangements for this course must be made with an instructor the semester prior to enrollment. (NWH or WH)

**HIST 30203 The Renaissance.** The political, social and cultural development of Europe from 1300 to 1517. Topics include the Black Death and its impact, politics and culture in the city-states, the social and economic bases of Renaissance society, the Renaissance in Northern Europe. (NWH)

**HIST 30213 The Reformation.** Europe in the 16th century. Topics include the Protestant and Catholic Reformations, 16th century monarchies, early modern society and popular culture, witchcraft, the impact of European expansion overseas. (NWH)

**HIST 30223 The Seventeenth Century.** Europe in crisis? Topics include civil wars, social and religious instability, absolutism, the debate over the crisis of the seventeenth century. (NWH)

**HIST 30233 Enlightenment Europe.** A new world in Europe. Topics include the spread of the Enlightenment, the role of intellectuals, social and political changes, challenges to the old order, the coming and impact of the American and French Revolutions (NWH).

**HIST 30243 History of Spain and Portugal to 1830.** An examination of Iberian culture, interpreting the present in terms of past developments, emphasizing the values and beliefs reflected in literature, art, and philosophy through the centuries, and analyzing the impact of values and beliefs upon the social stratification system and politico-economic institutions. (NWH)

**HIST 30303 The Age of Great Transformation: Europe, 1815-1870.** The nineteenth century ushered in the industrial age in Europe and the modern consumer society. This course will examine the economic, social, and political change that came with the process of industrialization. Topics include: workers, women, socialism, revolution, nationalism and unification, and imperialism. (NWH)

**HIST 30313 The End of an Era: Europe, 1870-1918.** World War I marked the end of the long nineteenth

century. This course will examine the events leading up to the war and the social, economic, and political impact of the war. Topics include: the Belle Epoque, the suffrage movement, unification, imperialism, and the immediate postwar world. (NWH)

**HIST 30323 Peace or Pause? Europe, 1919-1945.** World War II was the second global conflict in two generations. This course will examine the events of the interwar years that precipitated World War II and the war's impact on Europe. Topics include: the Treaty of Versailles, the Great Depression, the rise of fascism and its national variations, the Resistance. (NWH)

**HIST 30333 A Whole New World: Europe since 1845.** World War II left Europe in ruins. This course will examine Europe's recovery from the war and its position in the post war world. Topics include: the "economic miracle," the Cold War and its impact, decolonization and the European Union. (NWH)

**HIST 30343 The French Revolution: from Subjects to Citizens.** The 1789 French Revolution marked a watershed in modern world history. This course examines events from 1750 to 1815, exploring the origins of the Revolution, the shifts in the 1790s from constitutional monarchy to the Terror's radical republicanism to Napoleon's dictatorship. Topics include: the emergence of new ideas and new media; the roles of writers, working people, and women; the involvement of other countries, including America; the long term political and social consequences; historians; interpretations of the Revolution. (NWH)

**HIST 30353 France 1815 to the Present: The Quest for the Republic.** France has had a revolution, a civil war, and four republics since 1815. This course will examine the role of revolution, civil war and the women and men involved in France's evolution as a republic. Topics include the 1848 Revolution, the Paris Commune, the World Wars, and Vichy, and political and social change. (NWH)

**HIST 30363 Modern Germany, 1815 to the Present.** Traces the political, diplomatic, military, economic, and social events in Germany in the period. Topics include the impact of the French Revolution and Napoleon, the rise of nationalism, the social impact of industrialization, political unification under Bismarck, the two world wars and their effects on Germany, the division of Germany following World War II and its reunification. Includes recent developments in the Federal Republic. (NWH)

**HIST 30373 European Thought and Culture, 1800 to the Present.** Traces European thought and culture in the nineteenth and twentieth centuries. Topics include nationalism, industrialism, romanticism, naturalism, socialism, the search for place, and the rise of fascism. Includes key developments in literature and the arts. (NWH)

**HIST 30403 History of Russia to 1861.** The evolution of the early Russian state and its development under the Grand Princes and Czars to the emancipation of the serfs. Emphasis on the institutions, literature, religion, personalities, and cultural developments as well as major political events. (NWH)

**HIST 30413 History of Russia from 1861 to the Present.** The forces and personalities that molded modern Russia after the emancipation of the serfs, the revolutionary movements and their leaders, and the economic and political factors that brought the downfall of the czarist regime. Special attention to the Marxist-Leninist doctrine and the Soviet attempt to implement it, Stalinism, the emergence of rival communist states, and the post-Stalin era. (NWH)

**HIST 30423 Central Europe since 1700.** The nationalist rivalries that led to Sarajevo, the cultural and economic conflicts that kept the Balkans divided, the problems faced by the region in the period following the First World War. Special attention to the struggle of the Czechs and the Poles to maintain their national existence despite threats from Hitler and Stalin. The effects of World War II on the region. (NWH)

**HIST 30433 History of China and Japan from Earliest Times to the 19th Century.** The underlying foundations of Chinese and Japanese culture, emphasizing especially the values, religious, and personalities as well as the political and social institutions in the region. Attention to similarities and differences that characterize the peoples of East Asia. (NWH)

**HIST 30443 History of China from 1800 to the Present.** The major events and personalities influencing the development of China and Japan and the impact of the West upon the region. (NWH)

**HIST 30453 History of Japan from 1800 to the present.** The major events and personalities influencing the development of Japan and the impact of the West upon the region.

**HIST 30503 History of England to 1603.** A survey of British history from pre-Roman times to the death of Elizabeth, emphasizing the constitutional, political, social, cultural, and economic developments. Special stress on the evolution of institutions and ideas which America and England share. (NWH)

**HIST 30513 History of England and Great Britain since 1603.** A survey of the revolutionary developments in the seventeenth and eighteenth centuries which brought the development of parliamentary government, social and political reform movements of the nineteenth and twentieth centuries, the transformation from Empire to Commonwealth, and the emergence of the welfare state. Britain's role as a world power will be examined and special emphasis will be given to the diplomatic developments that led to the two world wars. (NWH)

**HIST 30523 Tudor-Stuart England, 1485-1714.** Tudor-Stuart kings and their parliaments, emphasizing the English Reformation, the Elizabethan Age, the Puritan Revolution and Oliver Cromwell, the Restoration and the Glorious Revolution, and the rise of cabinet-political parties-civil rights struggles. (NWH)

**HIST 30533 England, 1815-1901, Politics, Prudery, and the Pax Britannica.** An examination of the political, social and imperial themes in English history for the period 1815-1901, with emphasis on the impact of the Industrial Revolution, the new social order, demands for political reform, and the growth of British imperial power. (NWH)

**HIST 30543 Twentieth-Century Britain, Empire to Welfare State: 1901 to the Present.** The major political, economic, imperial and intellectual developments of the period. Also discussed will be reforms, the rise of labor, and the impact of the two world wars. (NWH)

**HIST 30563 The British Empire, 1603-1857.** Examination of the empire-building experience of Great Britain in the early modern period beginning with its experiences in Ireland, North America, and the Caribbean. Particular emphasis will be given to motivation, cultural collision, and the evolution of systems of control and administration.

For the period following the American Revolution, the course will examine the development of new patterns of empire that emerge from the interplay of exploration, the missionary movement, the Napoleonic Wars and technological change. (NWH)

**HIST 30573 British Empire and Commonwealth, 1857-1975.** Examination of the British Empire from its high-point in the second half of the Nineteenth Century to its dissolution after 1945. Particular attention will be given to the so-called New Imperialism and the scramble for African and Pacific territories, the place of empire in Victorian culture, the informal empire of economic investment, the impact of World War I on the imperial system, and the role of nationalism in the empire's eventual dissolution. The course will also introduce the theoretical arguments concerning the nature and function of the British Empire and its role in shaping the post-colonial world. (NWH)

**HIST 30583 Living in London.** Focuses on experiences of ordinary men and women living in London during the past five hundred years. Examines the rise of London from its first period of rapid growth in the 1500s to its emergence as a multi-cultural and multi-racial city in the second half of the twentieth century.

**HIST 30593 Making of Modern England.** This a course that combines lecture, discussion and field trips in order to introduce major themes and developments which have shaped English history. Although the course proceeds chronologically, emphasis will be placed on social structures and contexts rather than a timeline of events. The course is designed to take advantage of resources available in London; therefore, several classes will be held at sites such as Westminster Abbey, Parliament, Battle Abbey, and Bodiam Castle.

**HIST 30913 History of Central America.** Survey of Central America from colonial times to the present with emphasis on the region's economic and political development and the emergence of revolutionary movements in the twentieth century.

**HIST 30923 The United States and Latin America.** Early diplomatic relations among the independent republic; the Monroe Doctrine in Hemispheric politics; the movement for Pan American union; the Big Stick and Dollar Diplomacy; the Good Neighbor Policy and the Alliance for Progress. (WH)

**HIST 30933 Revolution in Latin America.** Survey and analysis of revolutionary movements in modern Latin America, with special emphasis on Argentina, Brazil, Chile, Cuba, Mexico, and Central America. (WH)

**HIST 30943 The Spanish Borderlands.** The clashing and mingling of cultures in regions formerly held by Spain in the southeastern and southwestern United States.

**HIST 30953 History of Argentina and Chile.** Southern South America from colonial times to the present; a comparison of the colonial experiences of both countries and their impact on national development; problems of modernization and the movements of social revolution. (WH)

**HIST 30963 History of Brazil.** The growth of the Brazilian nations and civilization from colonial plantation beginnings through experiments with monarch and republic, to the rank of major nation. (WH)

**HIST 30970 Topical Studies in History.** Courses dealing with problems and historical questions in a particular area of specialization. The topics will be changed from semester to semester and the course may be repeated when the topic is different. (3 hours NWH or WH)

**HIST 30973 Biography in Latin American History.** Examination of a selected period of colonial or modern history through biography of prominent individuals. Individuals will include people such as Sor Juana or Fidel Castro although biographies and periods will vary with each semester.

**HIST 30983 Aztecs, Incas, and Mayas: The Indians of Middle and South America.** Investigation and analysis of the Indian Civilizations of Mexico, the Caribbean Region, Central and South America with particular emphasis on the Mayas, Aztecs, and Incas. Also discussed will be the impact of European culture on the native population and the contemporary problem of integrating the Indian into modern society. (WH)

**HIST 30993 History of Mexico.** The native peoples, the Spanish Conquest and cultural conflict, evolution of colonial society, the movement for independence, 19th century efforts at modernization, revolutionary Mexico and U.S.-Mexican relations. (WH)

**HIST 40003 The Women's Movement in England and America, 1792-1972.** A survey and analysis of women's role in modern history with special emphasis on monarchs, scholars, laborers, and political activists. (NWH)

**HIST 40013 History of War.** The causes, course and effects of war from ancient times to the present. Major changes in the technology and nature of war will also be discussed. (NWH)

**HIST 40023 Women in the Western World since 1500.** A broad survey of women's experiences and roles in Western society in the last 500 years. Topics include the Reformations, witchcraft, urban and rural women, the Revolutionary era, industrialization, and World Wars. (NWH)

**HIST 40033 Women and Family: 1500-1800.** This course will focus on the changing patterns of gender and sexuality in Europe and America between the sixteenth and eighteenth centuries. In a period of dramatic political change and dynamic cultural conflict, early modern peoples often used ideas about gender to express and to contain the changes occurring around them. This was true of Native Americans confronted with European expansion, settlement and mission activity as well as statesmen and religious leaders in Europe upheavals of colonization, religious reformation, emerging capitalism and political transformation.

**HIST 40043 Witches, Workers and Wives.** This course will focus on the changing patterns of gender and sexuality in Europe and America between the sixteenth and eighteenth centuries. In a period of dramatic political change and dynamic cultural conflict, early modern peoples often used ideas about gender to express and to contain the changes occurring around them. This was true of Native Americans confronted with European expansion, settlement and mission activity as well as statesmen and religious leaders in Europe upheavals of colonization, religious reformation, emerging capitalism and political transformation.

**HIST 40103 Senior Honors Project.** Prerequisite: Departmental major, enrollment in the Honors Program, and completion of HIST 30153. The execution of a project or paper reflecting creative investigation or research. Supervision by a three-member faculty committee is required. HIST 40103 must be completed prior to the

student's final semester of undergraduate work. May be based on subject matter explored in HIST 30153. (NWH or WH)

**HIST 40603 Colonial America: From the Age of Discovery to 1763.** Examination of the political, ideological, religious, social, economic and institutional development of colonial America from the earliest discoveries and settlements to the end of the French and Indian War in 1763. Emphasis is on the English colonies that became the United States with some consideration given to other empires. (WH)

**HIST 40613 Revolutionary America, 1763-1789.** Introduces the origins of the revolutionary movement; analyzes the social, economic, political and diplomatic consequences of independence from Great Britain; and examines the emerging political and constitutional order of the postwar years. (WH)

**HIST 40623 The Age of Jefferson, 1789-1828.** The period of the Virginia Dynasty, with emphasis on the shaping of Jeffersonian ideals and the rise of the national spirit after the War of 1812. (WH)

**HIST 40633 The Age of Jackson, 1829-1860.** The period of Manifest Destiny, with special attention to the developing antagonisms between North and South before, during and after the War with Mexico. (WH)

**HIST 40643 Civil War and Reconstruction, 1861-1876.** The Civil War and slow recovery from the effects of conflict. (WH)

**HIST 40653 The Progressive Period in American History, 1877-1919.** The rise of industrial America, including reform movements, and the transformation of rural society in the half-century between the administrations of U. S. Grant and Woodrow Wilson. (WH)

**HIST 40663 America Between World Wars, 1919-1941.** Detailed analysis of political scandals, prohibition, immigration, labor, women's rights, and the Great Depression, with emphasis on the response of the New Deal to these problems. (WH)

**HIST 40673 The United States from 1941 to 1975.** Domestic and foreign policies of the starting with entry into World War II through 1975. Special attention to social, cultural, and ideological development. (WH)

**HIST 40683 Foundations of American Foreign Policy: From Colony to Empire.** An interpretive review of diplomatic relations with Europe, Latin America, and the Orient from the Declaration of Independence to the First World War. (WH)

**HIST 40693 The United States as a Great Power: It's Foreign Policy from World War I to the Present.** Major international involvements of the United States since the emergence of the nation as a global power at the turn of the century. (WH)

**HIST 40703 Indians of the United States.** A survey of Native American history, organized chronologically beginning with native origin stories and scientific theories and ending with present issues of urbanization, self-determination, and the political economy of bingo. (WH)

**HIST 40713 Indians of the Greater Southwest.** The major Indian tribes of the cultural area comprising the southwestern United States and northern states of Mexico. (WH)

**HIST 40723 The Early American Frontier.** Topical study of the westward movement from the Atlantic seaboard to the Appalachians, and the Mississippi Valley, with emphasis on America's emerging institutions in a pioneer environment. (WH)

**HIST 40733 The American West.** Topical study of Plains Indians, Spaniards, mountain men, miners, railroad and cattle barons, cowboys, Mormons, soldiers, and pioneer farmers in the Trans-Mississippi domain of the United States. (WH)

**HIST 40743 History of Texas.** The political, social, and economic study of Texas from the coming of the Spaniards in 1528 to the present. The role of ethnic groups in the development of Texas is emphasized, and a study of the state constitution is made. (WH)

**HIST 40763 The Old South.** How and why antebellum Southerners differed from Northerners (and many other folk). Lectures and discussions focus on the cultural heritage of the South, the social life of Southerners before the American Civil War, the survival of European and African traditions, immigration and settlement patterns, herding, slavery, plantation life, sectionalism, various southern ways and values, and some of the myths about the Old South. (WH)

**HIST 40783 Constitutional History of the United States.** The historical background and impact of judicial decisions that have changed and directed the economic, social, political, and legal patterns of federal and state governments as well as other human institutions. Includes a detailed analysis of majority and minority opinions in leading Supreme Court cases. (WH)

**HIST 40793 Business in American Life.** Survey, development and structure of the American economy and business enterprise in response to changing markets and technology. (WH)

**HIST 40803 History of Medicine and Public Health.** An examination of medicine and public health in the United States with emphasis on social and cultural factors. (WH)

**HIST 40823 The New South, 1877-Present.** An examination of the political, economic and cultural factors in the South with emphasis on the modern period. (WH)

**HIST 40833 The American Presidency.** The history of the presidency from the beginning of the office to the present. (WH)

**HIST 40843 The Vietnam War.** Traces the history of pre-European Vietnam, French conquest, Indo-China War, roots of US involvement, Vietnam War and US domestic developments, and events in post-1975 Socialist Republic of Vietnam. (NWH or WH)

**HIST 40853 American Environmental History.** This course surveys the complex interactions between human beings and their environment in North America from pre-Columbian times to the present. Important topics will

include the Columbian exchange, changing conceptions of wilderness, influences of agriculture and industry, and the development of conservation movements.

**HIST 40863 American Sport History.** Prerequisites: HIST 10603 or 10613. This course surveys U.S. history from the colonial era through the present using the arena of sport. The course traces social and cultural history as manifested through sport and follows the development of athletic activities and the evolution of specific sports with their own rules and institutions.

**HIST 41903 History of Cuba.** This class will examine Cuban history, from pre-Hispanic times to the present. Major themes will include the evolution of Spanish colonial rule, sugar and the rise of African slavery, the wars of independence, and the role of U.S. interventionism. Special emphasis will be placed on the Cuban Revolution and the causes and results of this historical process. How did Fidel Castro manage to take power, and what have been the most significant effects of his regime? A second major goal of HIST 41903 is to improve students' writing and critical thinking skills. Students will be required to develop theses and to defend their positions using evidence from their readings, lectures, and their own research. Analysis and argument will be the central elements of the course.

**HIST 49963 History Major Seminar in US History`.** Prerequisites: History major; junior or senior standing; HIST 10603 or 10613, or permission of the instructor. This course, designed for History majors, is designed to provide students with an opportunity to conduct research in the primary and secondary sources related to a topic in United States History, and write a substantial research paper (20-30 pages). Students will research and write on the topic of their choice, with the instructor's approval.

**HIST 49973 History Major Seminar in European History.** Prerequisites: History major; junior or senior standing; one of the following: HIST 10203, 10213, 10223, 20203, 20213, 20223, or permission of the instructor. This course, designed for History majors, is designed to provide students with an opportunity to conduct research in the primary and secondary sources related to a topic in European history, and write a substantial research paper (20-30 pages). Students will research and write on the topic of their choice, with the instructor's approval.

**HIST 49983 History Major Seminar in Asian History.** Prerequisites: History major; junior or senior standing; and one of the following courses: HIST 10943, HIST 10953, HIST 20943, HIST 20953, or permission of the instructor. This course, designed for History majors, is designed to provide students with an opportunity to conduct research in the primary and secondary sources related to a topic in Asian history, and write a substantial research paper (20-30 pages). Students will research and write on the topic of their choice, with the instructor's approval.

**HIST 49993 History Major Seminar in Modern Latin American History.** Prerequisites: History major; junior or senior standing; and one of the following courses: HIST 10923, HIST 10933, HIST 20923 or HIST 20933, or permission of the instructor. This course, designed for History majors, is designed to provide students with an opportunity to conduct research in the primary and secondary sources related to a topic in Modern Latin American History, and write a substantial research paper (20-30 pages). Students will research and write on the topic of their choice, with the instructor's approval.

**HIST 50063 Historical Methods.** Techniques of historical research and documentation. Evaluation of documents, applying internal and external criticism to determine validity of use. Oral history research evaluation and interviewing techniques.

**HIST 50070 History, Administration, and Management of Archives, I and II.** The historical development of archival institutions, procedures and techniques with special emphasis on American federal, state and local records, both public and private. Students will be introduced to professional field work in the archives of the participating institutions.

**HIST 50080 Archival Internship.** Supervised professional training at the Federal Archives and Records Center of Fort Worth, the Regional State Archives of Texas, the Amon Carter Library and the Manuscript Collection of Texas Christian University. Open only to students who are taking or have completed HIST 50070. Required of all students who select the Archives Studies option.

**HIST 50933 Philosophy of History.** Prerequisites: six hours of history, three hours of philosophy. A philosophical analysis of historiography: the logical, conceptual and epistemological characterization of what historians do; also includes a study of traditional attempts to discover some meaning which transcends the intelligibility sought and achieved by ordinary historical work.

**HIST 50960 Historiography and Bibliography.** The major historians of the past, changes in the interpretation and philosophies of history and the major bibliographic sources utilized in the writing of history.

**HIST 50970 Special Studies in History.** Special Studies in History. (NWH or WH)

**HIST 50980 Historical Writing and Editing.** The methods and problems of research and historical writing. Also covers the principles and methods of editing historical journals and documents including archival manuscripts. 3 hours NWH or WH.

## Military Science

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### (MISC)

Military Science offers opportunities to develop confidence, self-esteem, and leadership and life skills to succeed in college and beyond. It is an academic curriculum that supplements your major and is designed to prepare qualified, high potential students for service as commissioned officers in the United States Army and its Reserve Components (the Army Reserve and the Army National Guard).

The Military Science program is composed of a two year Basic Course, a five week Leadership Development and Assessment Course (LDAC) summer program and a two year Advanced Course. Nonscholarship students enrolling in only freshman and sophomore level classes incur no obligation to serve in the military after graduation. Further, these classes satisfy the UCR Physical Education Activity course requirement and can be used for select elective credit.

Upon completion of the requirements for the baccalaureate degree and Military Science training requirements, students are commissioned as second lieutenants. Further, highly qualified commissionees who desire graduate or professional schooling prior to fulfilling their service obligation may apply for an educational delay to pursue an advanced degree and in some instances can qualify for additional full tuition scholarships.

Four-year, three-year, and two-year programs are offered. Each program includes the option for qualified students to benefit from a full tuition and fees scholarship, and TCU offers room and board grants for qualified ROTC scholarship winners.

### Four-Year Program

The four-year program is divided into two portions, each consisting of four classes normally taken in sequence. The first is the Basic Course, which is usually completed during the freshman and sophomore years. The second portion of the four-year program is called the Advanced Course; it is normally completed during the junior and senior years. To enroll in the Advanced Course, students must successfully complete the Basic Course (or be given equivalent credit by the Professor of Military Science), be of good moral character, have a minimum of two years remaining as a full-time student (undergraduate or graduate), have a minimum GPA of 2.0, and be physically qualified. A paid and highly adventurous five-week training session (LDAC) between the junior and senior years is a critically important part of the Advanced Course. All Advanced Course students (both scholarship and non-scholarship) receive a monthly cash allowance while participating (full-time) in on-campus instruction. This allowance can be collected up to 10 months each year.

### Two-Year Program

The two-year program is designed for students who either transfer into TCU or elect to begin pursuing a commission in the fall of their junior year. It includes a paid five-week summer training session between the sophomore and junior years and the Advanced Course described under the four-year program. Application for the two-year program is normally made during the second semester of the sophomore year. However, the two-year program is also open to juniors and seniors planning attendance at graduate school. The monthly cash allowance for students in the two-year program is the same as for other students in the Advanced Course. Numerous full tuition and fees scholarships are available for qualified two-year program applicants.

### Scholarships

Four-year, three-year and two-year scholarships are available to qualified applicants. The scholarship covers TCU's full-time student tuition costs plus any mandatory fees charged to all students. The scholarship also provides \$900 per year for books and a cash stipend for each month the student is participating in full-time on-campus instruction (limited to 10 months each year). The stipend amount varies by class year, and ranges from \$300 a month for freshman to \$500 a month for seniors.

**Four-Year Scholarships.** High school students wishing to compete for a four-year scholarship should apply during the summer between their junior and senior year. Outstanding candidates can be notified of their selection as early as November of their senior year. Students who wait until their senior year to apply must have their completed applications submitted and received at the evaluation center before December 1st of the student's senior year in high school.

**Three-Year Scholarships.** Freshman students enrolled at TCU or students planning to transfer into TCU at the beginning of their sophomore year may apply for three-year scholarships. Students applying for the three-year scholarship must have at least 27 semester hours credit at the beginning of the sophomore year and meet the other specified eligibility criteria.

**Two-Year Scholarships.** Any student, presently enrolled or planning to transfer to TCU, who will have 54 semester hours completed by the beginning of the next fall semester may apply for a two year scholarship. To validate their scholarships, recipients will be required to satisfactorily complete a paid five-week summer training session prior to entering school in the fall semester.

**Nursing Scholarships.** The Army ROTC provides four-, three-, and two-year scholarships for students interested in



becoming officers in the United States Army Nurse Corps. Application forms and information about these scholarships may be obtained by writing to the Professor of Military Science, Department of Military Science, TCU Box 298910, Fort Worth 76129, or by calling (817) 257-7455.

**Tuition Assistance.** The Financial Aid office can provide further information.

### **Leadership Laboratory**

Every Military Science student is required to participate in the weekly leadership lab in addition to the scheduled class periods. The lab meets every Thursday, 3:00 - 5 p.m., during the semester and provides leadership training, military skills and tactical training, adventure training and drill and ceremonies instruction. Leadership experience is gained by students managing, leading and teaching other students within the framework of the Cadet Battalion. All leadership positions are filled by upperclass cadets who are responsible for planning and executing each lab period under the guidance of seasoned Army officers and noncommissioned officers.

### **Curriculum**

The curriculum consists of the Basic Course and the Advanced Course described previously under the Four-Year Program and further described below.

**Pass/No Credit Option.** Military Science classes may not be taken on the Pass/No Credit basis.

**Basic Course.** The Basic Course should include 10041, 10081, 20042, and 20092. Leadership Lab is required for all courses listed below.

### **Waivers**

Part or all of the Basic Course may be waived for veterans with acceptable active duty service. Students transferring from a military academy or military junior college may also receive a waiver for the Basic Course.

### **Graduate Studies**

Upon application, Military Science graduates may be granted a delay before entering active duty for a period of two or three years from the date of their commission. Authorized purposes are attending graduate school, medical school, or law school. In some cases, the delay may exceed three years. There are salaried and fully funded graduate programs also available to top academic performers and medical school applicants who complete the ROTC curriculum.

### **Courses of Instruction**

**MISC 10001 Leadership Lab.** Fall/Spring. One class per week. This course facilitates the development of leadership skills while giving practical experience in military skills. Areas of emphasis include drill and ceremonies, squad level tactics, first aid and land navigation. Advanced Course cadets conduct the training and lead the cadet battalion under cadre supervision. A weekend field training exercise and weekly physical fitness training are included in the course.

**MISC 10041 Introduction to Leadership I.** Fall. One class per week. A progressive overview of the U.S. Army to include its history, its organization, its customs and courtesies, its strategic mission, dynamic structure, and methods of tactical deployment.

**MISC 10081 Introduction to Leadership II.** Spring. One class per week. Leadership skills and actions, fundamentals of basic tactics to include movement techniques, battle drill/assault techniques, squad tactical control measures, land navigation, and first-aid training. Designed to give the student an initial level of tactical proficiency and a degree of leadership training.

**MISC 20042 Basic Leadership I.** Fall. Two classes per week. Challenges the student to become tactically and technically proficient. Students study team building techniques, learn leadership traits and behaviors, the military element of power, use light infantry tactics, and gain a fundamental knowledge of map reading. Prerequisite: Concurrent or past enrollment in MISC 10041 or permission of the department chair.

**MISC 20092 Basic Leadership II.** Spring. Two classes per week. This course prepares students to be positive and assertive leaders and conduct instruction through the study and application of basic military leadership principles. Includes leadership assessment training and student classroom presentations. Prerequisite: Concurrent or past enrollment in MISC 10041 Introduction to Military Science or permission of the department chair.

**MISC 20970 Special Topics in Military Science.** Fall/Spring. Special study opportunities as directed by the Department Chairman. (1-6 semester hours.)

**MISC 30053 Intermediate Leadership I.** Fall. Two classes per week. Students learn effective counseling, writing, and human relation skills necessary to positively influence human behavior. Students develop confidence and leadership experience in addition to land navigation skills and tactical proficiency. Group participation and exposure to leadership reaction situations. Prerequisite: Basic Course or equivalent credit.

**MISC 30063 Intermediate Leadership II.** Spring. Two classes per week. An analysis of the leader's role in directing and coordinating the efforts of individuals and organizations. This professional block of instruction involves student role modeling and analysis of controversial leadership case situations. Students practice and learn the necessary skills to take charge when responsible, as well as control and positively influence personnel under stressful situations. Additional professional skills are also taught. Prerequisite: Completion of MISC 30053 or permission of department chair.

**MISC 30970 Directed Studies in Military Science.** Fall/Spring. Opportunity for independent study as directed by the instructor prior to enrollment. (1-6 semester hours)

**MISC 40053 Advanced Leadership I.** Fall. Two classes per week. Designed to review the mission and structure of the Army as well as discuss its professional and social aspects. The course focuses on oral and written communication skills, counseling techniques, evaluation, and reporting procedures, as well as introducing the combined arms concept. Prerequisite: Completion of MISC 30053 and 30063 or permission of department chair.

**MISC 4063 Advanced Leadership II.** Spring. Two classes per week. An examination of the dynamics of modern warfare from the perspective of the combat battalion task force. The integration of maneuver forces, air power, intelligence, logistics, and air mobility by a ground combat commander is studied in both practical exercise and case studies. A variety of other subjects relating to staff procedures and command and control are covered. Prerequisite: Completion of MISC 30053 and 30063 or permission of department chair.

## Modern Languages and Literatures

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[French](#)

[German](#)

[Japanese](#)

[Italian](#)

[Courses of Instruction](#)

### Overview

Minors are available in French, German and Japanese. Lower-division language study is also available in Italian. Classical Greek is taught under the auspices of the Department of Religion.

**Placement.** Students with academic or life experience in a foreign language are urged to enroll at a level appropriate to their skills. In order to encourage students to enroll in a first course appropriate to their ability, TCU offers the following incentive-based placement policy:

Students whose first language class at TCU is beyond the first semester level may earn additional language credit (if credit has not already been awarded for transfer, CLEP, or AP work) as follows:

- If the first foreign language class is at the second semester level (10163) and a grade of B or higher is earned, as a reward for superior work, three semester hours credit will also be awarded for the first-semester course (10153).
- If the first foreign language class is at the third semester level (20053) and a grade of B or higher is earned, as a reward for superior work, six semester hours credit will also be awarded for the first and second semester courses (10153 and 10163).
- If the first foreign language class is at the fourth semester level (20063) and a grade of B or higher is earned, as a reward for superior work, nine semester hours credit will also be awarded for the first, second and third semester courses (10153, 10163 and 20053).
- If the first foreign language class is beyond the fourth semester level (numbered 30000 or above) and a grade of B or higher is earned, as a reward for superior work, nine semester hours credit will also be awarded for the second, third and fourth semester courses (10163, 20053 and 20063).

If the student takes a foreign language class at a level beyond the first one and earns a C or D, no additional credit will be awarded, but the student will be deemed to have satisfied the foreign language requirement of the UCR consistent with the level of the course passed. For example, if a student's first foreign language class at TCU is at the fourth semester level (20063), and the student earns a C as the final grade, the student will not receive additional credit, but will have satisfied the foreign language requirement at the sophomore level.

To determine proper placement level, students should consult with an advisor in the Department of Modern Languages & Literatures or take the computerized CAPE examination, available through the Department.

Additional credit may also be earned by means of exams administered by the College Board (AP or CLEP). Please consult the TCU Credit by Exam booklet, available through the Office of Admissions, for details.

Note: Students entering the program at a certain level may not receive credit for course work taken below that level.

**Resident Study Abroad.** The Department strongly supports foreign study and recommends certain summer study or semester/year programs abroad, particularly the summer study programs in French, German and Japanese. Other study abroad programs are available through the Institute of European and Asian Studies. Consult the Chairman and the Foreign Study Adviser. A maximum of nine credit hours transferred from study abroad programs may be counted toward the French minor.

**Pass/No Credit Option.** Students minoring in any of the languages in the Department are subject to the pass/no credit policy of their major department.

### French

(FREN)

**Requirements for a minor in French.** A minimum of 18 semester hours, exclusive of courses on the 10000 level, and including at least one Survey of French Literature (FREN 40073, 40083, or 40093).

### Requirements for teacher certification.

**A. Texas Oral Proficiency Test (TOPT).** Students seeking Texas teaching certification with an elementary specialization or secondary teaching field in French must take the TOPT. This test must be taken in addition to the ExCET exams required. Candidates who attain the TOPT's passing standard of advanced oral proficiency or higher will be recommended for certification. Candidates who do not meet the TOPT's passing criteria, but who have met all other course work and certification requirements, may be recommended for a general elementary certificate or a single secondary teaching field.

Students who plan to earn a teaching certificate requiring a passing score in the TOPT must submit a language assessment form from the Department of Modern Languages and Literatures when applying for admission to the Teacher Education Program of the University.

Candidates seeking teacher certification and preparing for the ExCET and TOPT exams are strongly encouraged to take advantage of the Resident Study Abroad program (French 30173). They are also advised to include Advanced French Conversation (French 30043) and French Culture and Civilization (French 30153 and 30163) in their course of study.

**B.** Students seeking certification for teaching French at the secondary school level should be advised by the departmental secondary certification advisor. Specific requirements for French as a teaching field follow:

10153 First Semester College French	3
10163 Second Semester College French	3
20053 Third Semester College French	3
20063 Fourth Semester College French	3
30053 Intermediate Reading and Writing	3
30063 Readings in selected French genres	3
Select six hours from the following:	6
30033,30043,40073,40083,40093,30153, 30163,30253,40123,40163,40173,40970 50033 (when available)	
Total hours	18-24

*Note:* Some students will not have to take 10153-10163. Some will receive credit by exam for 20053-20063. No credit is given for 10153-10163 by exam.

For more information regarding elementary and secondary teacher certification in French, see the School of Education section of this bulletin.

### German

(GERM)

**Requirements for a minor in German.** A minimum of 18 semester hours, exclusive of courses on the 10000 level. German 30053-30063 are prerequisites to all higher-numbered courses. All courses in the language sequence except 10153 require as prerequisite either satisfactory completion of the previous semester or the appropriate score on the CLEP Test, AP exam, G-CAPE placement test, or permission.

### Japanese

(JAPN)

**Requirements for a minor in Japanese.** 18 semester hours including language courses JAPN 10153, 10163, 20053, 20063, 30123, and Japanese Culture and Civilization JAPN 30113. All courses in the language sequence require as prerequisite either satisfactory completion of the previous semester.

### Italian

(ITAL)

### Course Categories

#### Courses of Instruction

##### French

FREN 10033 Practical Conversational French.  
 FREN 10043 Practical Conversational French.  
 FREN 10053 French for Reading Knowledge  
 FREN 10063 French for Reading Knowledge.  
 FREN 10153 First Semester College French.  
 FREN 10163 Second Semester College French.  
 FREN 20053 Third Semester College French.  
 FREN 20063 Fourth Semester College French.  
 FREN 30003 Junior Honors Seminar.  
 FREN 30033 Phonetics  
 FREN 30043 Advanced Conversation  
 FREN 30053 Intermediate Reading and Writing  
 FREN 30063 Readings in Selected French Genres.  
 FREN 30153 French Culture and Civilization I.  
 FREN 30163 French Culture and Civilization II.  
 FREN 30176 French Culture and Civilization: Angers et L'Anjou.  
 FREN 30183 Introduction to French Cinema.  
 FREN 30253 Contemporary France as Reflected in the Press  
 FREN 40003 Senior Honors Research Paper.  
 FREN 40013 French Literature in Translation  
 FREN 40073 Survey of French Literature I.  
 FREN 40083 Survey of French Literature II.  
 FREN 40093 Survey of French Literature III.  
 FREN 40123 Seminar in French Studies  
 FREN 40133 Topical Readings: French Non-Fiction.  
 FREN 40143 Non-European French Prose and Poetry.  
 FREN 40163 Advanced French Grammar.  
 FREN 40173 Advanced French Composition  
 FREN 40970 Directed Study  
 FREN 50033 The Teaching of Modern Foreign Languages.  
 FREN 50163 Renaissance.  
 FREN 50173 Classical Period  
 FREN 50183 Enlightenment.  
 FREN 50203 Modern Novel.  
 FREN 50213 Modern Drama.  
 FREN 50293 Romanticism

##### German

GERM 10053 German for Reading.  
 GERM 10063 German for Reading.

GERM 10153 Beginning German I.  
 GERM 10163 Beginning German II.  
 GERM 10173 Beginning German III.  
 GERM 20063 Intermediate German.  
 GERM 20123 Topics in German Culture.  
 GERM 20973 Honors: The Afterlife of the Classical Greek Tradition.  
 GERM 30053 Third Year College German.  
 GERM 30063 Third Year College German.  
 GERM 30173 German Culture in Cologne, the Rhineland and Beyond.  
 GERM 40023 German Culture and Civilization.  
 GERM 40193 Introduction to German Literature.  
 GERM 40970 Directed Study.  
 GERM 50033 The Teaching of Modern Foreign Languages.

#### **Italian**

ITAL 10153 First Semester College Italian.  
 ITAL 10163 Second Semester College Italian.  
 ITAL 20053 Third Semester College Italian  
 ITAL 20063 Fourth Semester College Italian  
 ITAL 30970 Italian - Study Abroad.

#### **Japanese**

JAPN 10153 First Semester College Japanese.  
 JAPN 10163 Second Semester College Japanese.  
 JAPN 20053 Third Semester College Japanese.  
 JAPN 20063 Fourth Semester College Japanese.  
 JAPN 30113 Japanese Culture and Civilization.  
 JAPN 30123 Japanese for Daily Use.  
 JAPN 40970 Directed Study: Japanese.

#### **Courses of Instruction**

**FREN 10033 Practical Conversational French.** Emphasis on active skills, in a two-semester sequence. May not be used to satisfy the B.A. language requirement.

**FREN 10043 Practical Conversational French.** Continues FREN 10033. Prerequisite: FREN 10033 or equivalent.

**FREN 10053 French for Reading Knowledge.** Intensive reading in the humanities, the social sciences and the natural sciences. Intended for students preparing for graduate reading examination. May not be used to satisfy the B.A. language requirement.

**FREN 10063 French for Reading Knowledge.** Continuation of FREN 10053.

**FREN 10153 First Semester College French.** A beginning course in French intended for students with no previous knowledge of the language, or insufficient knowledge to qualify for placement into a more advanced course. The four skills of listening, speaking, reading and writing are taught at the elementary level, with an emphasis on oral proficiency in everyday situations encountered in French-speaking countries. No prerequisite.

**FREN 10163 Second Semester College French.** Prerequisite: FREN 10153 or permission. Continuation of FREN 10153.

**FREN 20053 Third Semester College French.** Prerequisite: FREN 10163 or appropriate score on an approved placement test. Continues development of the skills of listening comprehension, speaking, reading, and writing on the intermediate level. Includes regular language laboratory assignments.

**FREN 20063 Fourth Semester College French.** Prerequisite: FREN 20053 or permission. Enhances language skills on the intermediate level through a combination of readings and oral activities. Emphasizes acquisition of active and passive vocabulary.

**FREN 30003 Junior Honors Seminar.** Junior Honors Seminar.

**FREN 30033 Phonetics.** Prerequisite: FREN 20053-20063 or permission. Description and study of French sounds and intonation. Transcriptions using the International Phonetic Alphabet and orthophonic drills. Laboratory practice.

**FREN 30043 Advanced Conversation.** Prerequisite: FREN 30033 or permission. Essentially a performing class with emphasis on motivating the students to speak. Opportunity not only to hear but to use everyday spoken French and to acquire systematically the vocabulary and idioms necessary to express oneself correctly and comfortably in practical situations. This course will count toward the major in French, but does not replace either French 30053 or 30063.

**FREN 30053 Intermediate Reading and Writing.** Prerequisite: FREN 20063 or appropriate score on an approved college placement test. This course is a prerequisite to higher-numbered courses, although some higher-numbered courses may be taken concurrently with it. This course emphasizes the development of reading and writing skills in French, building on oral and listening comprehension skills developed in previous courses.

**FREN 30063 Readings in Selected French Genres.** Prerequisite: FREN 30053 or permission. This course further develops students' reading skills in French, exposing them to literary texts in a variety of genres from different periods. Includes an introduction to the study and analysis of literary works.

**FREN 30153 French Culture and Civilization I.** Prerequisite: FREN 30063 or permission. Study of French history, art, geography, government and customs to the revolution of 1789.

**FREN 30163 French Culture and Civilization II.** Prerequisite: FREN 30063 or permission. Continuation of 30153 from the revolution of 1789 to the present day.

**FREN 30176 French Culture and Civilization: Angers et L'Anjou.** Prerequisite: FREN 10163. A summer course conducted by TCU on the campus of the Universite Catholique de l'Ouest (Angers, France) in the heart of the Chateau country of the Loire Valley. The course, directed by members of the TCU faculty, offers students the

opportunity to improve linguistic and cultural proficiency by interacting with natives of the culture. Students are directed to actively investigate topics highlighting various aspects of Angevin culture and history.

**FREN 30183 Introduction to French Cinema.** Prerequisite: FREN 20063 or equivalent. This course proposes the study of several films representative of modern French cinema. Terminology pertaining to filmmaking and an overview of cinematic techniques will be introduced at the beginning of the semester, enabling students to express their insights and impressions with accuracy, and to make meaningful cultural comparisons between French and American filmmaking styles. Films will be supplemented by readings selected to give additional insight into their cultural and artistic significance. These texts will consist primarily of 1) journalistic articles pertaining to historical events or social issues portrayed in the films, 2) historical documents pertaining to political situations addressed in the films, and 3) critical texts and interviews pertaining to the making of the film and their public reception.

**FREN 30253 Contemporary France as Reflected in the Press.** Prerequisite: FREN 30063 or permission. Reading of current newspapers, magazines and other periodical literature. Work with tapes of radio and television broadcasts. Emphasis on everyday, idiomatic French.

**FREN 40003 Senior Honors Research Paper.** Prerequisite: Admission to Honors Program in Modern Languages and senior standing or permission. Senior honors students will write a major paper on a topic agreed upon between the student and two professors, one of whom will direct the research and development of the paper. This paper, when completed, is to be read and approved by the two designated professors of the department.

**FREN 40013 French Literature in Translation.** Prerequisite of FREN 30053-30063 does not apply. Topic to be announced each time the course is offered. Lectures, discussions and readings in English. Open to French majors and minors for elective credit only.

**FREN 40073 Survey of French Literature I.** Prerequisite: FREN 30063 or permission. The study of early French literature from the Middle Ages through the 17th century. Readings of representative works of major French writers from each period or movement. Includes techniques of literary analysis and study.

**FREN 40083 Survey of French Literature II.** Prerequisite: FREN 30063 or permission. The study of French literature of the 18th and early 19th centuries through Romanticism. Readings of representative works of major French writers from each period or movement. Includes techniques of literary analysis and study.

**FREN 40093 Survey of French Literature III.** Prerequisite: FREN 30063 or permission. The study of French literature of the late 19th century and the 20th century. Readings of representative works of major French writers from each period or movement. Includes techniques of literary analysis and study.

**FREN 40123 Seminar in French Studies.** Prerequisite: FREN 30063 or permission. A specific author, genre, period or theme will be chosen for study.

**FREN 40133 Topical Readings: French Non-Fiction.** Prerequisite: FREN 30063 or permission. A specific author, genre, period or theme will be chosen for study.

**FREN 40143 Non-European French Prose and Poetry.** Prerequisite: FREN 30063 or permission. Study of French language writings from Africa, the Caribbean, Canada or other French-speaking areas. A specific author, genre, period or theme will be chosen for study.

**FREN 40163 Advanced French Grammar.** Prerequisite: FREN 30063 or permission. An intensive review of French grammar designed to clarify fine points of grammar while increasing proficiency in the four skills of reading, writing, listening, and speaking.

**FREN 40173 Advanced French Composition.** Prerequisite: FREN 30053. Intensive practice in various forms of written expression in French, including correspondence, short essay, explication de texte, and problems of translation.

**FREN 40970 Directed Study.** Prerequisite: FREN 30063 or permission. Topic and credit hours announced yearly. Opportunity for independent study. 1-6 hours

**FREN 50033 The Teaching of Modern Foreign Languages.** Prerequisite: Junior standing, and FREN 30063 or concurrent enrollment. Analysis and consideration of values, objectives, content and methods, with special reference to the teaching of foreign languages in the high school. Demonstrations of modern techniques, use of audiovisual aids and realia, and operation of a foreign language laboratory. Required of students seeking Texas Public School Certification. Cross-listed under German 50033 and Spanish 50033.

**FREN 50163 Renaissance.** The literature of the 16th century and its major figures. Some attention to characteristics of the 16th century French language.

**FREN 50173 Classical Period.** The literature of the 17th century and its major figures, with emphasis on the drama of Corneille, Moliere and Racine and the critical theories of classicism.

**FREN 50183 Enlightenment.** The literature of the 18th century and its major figures, including consideration of scientific, philosophic and political thought of the period.

**FREN 50203 Modern Novel.** The development of the novel during the first half of the 20th century.

**FREN 50213 Modern Drama.** The development of the theatre from the 1920s to the present. Some consideration of the backgrounds of modern theatre and of the latest avant-garde trends.

**FREN 50293 Romanticism.** The literature of the Romantic period, including representative readings in prose, poetry, drama and critical theory of the first half of the 19th century.

**GERM 10053 German for Reading.** This course stresses the basic grammar of German and, with its heavy passive vocabulary load, serves those students who wish to develop very rapidly a reading ability so that translation and analysis of scientific, literary and other prose texts may be achieved as soon as possible. Recommended for graduate students preparing for the graduate reading examination. Open to minors in German for elective credit only.

**GERM 10063 German for Reading.** Prerequisite: GERM 10053, or permission. Continues GERM 10053.

**GERM 10153 Beginning German I.** A beginning course in German intended for students with no previous knowledge of the language, or insufficient knowledge to qualify for placement into a more advanced course. The four skills of comprehension, speaking, reading, and writing are taught at the elementary level, with an emphasis on oral proficiency in everyday situations encountered in German-speaking countries. Substantial language laboratory assignments required. No prerequisite.

**GERM 10163 Beginning German II.** Prerequisite: GERM 10153, or appropriate score on the CLEP test, AP exam or G-CAPE placement test, or permission. Continues GERM 10153. Further develops the skills of listening, comprehension, speaking, reading, and writing. Includes regular language laboratory assignments.

**GERM 10173 Beginning German III.** Prerequisite: GERM 10163, or appropriate score on the CLEP test, AP exam, or G-CAPE placement test, or permission. Continues GERM 10163. Further develops the skills of listening comprehension, speaking, reading, and writing. Includes regular language laboratory assignments.

**GERM 20063 Intermediate German.** Prerequisite: GERM 10173 (20053), or appropriate score on the CLEP test, AP exam, or G-CAPE placement test, or permission. Enhances language skills on the intermediate level through a combination of readings and oral activities. Emphasizes acquisition of active and passive vocabulary.

**GERM 20123 Topics in German Culture.** Introduction to German culture through the study of various cultural themes. The particular topic may vary from semester to semester in accordance with the changing interests of students and instructor. Instruction in English. No knowledge of German required.

**GERM 20973 Honors: The Afterlife of the Classical Greek Tradition.** Students will examine examples from modern literature, film, architecture, art, psychology, philosophy, and archaeology that are not just a recuperation of the classical Greek past but also a critical appropriation of it. Students discover how the past is used to understand our present.

**GERM 30053 Third Year College German.** Prerequisite: GERM 20063, or appropriate score on the CLEP test, AP exam, or G-CAPE placement test, or permission. This course is a recommended prerequisite to all higher-numbered courses in German. It is not open to students whose native language is German. Extensive development of the language skills acquired in GERM 10153-10163 and 10173 (20053)-20063 or other elementary and intermediate training. Concentration on the spoken language.

**GERM 30063 Third Year College German.** Prerequisite: GERM 20063, or appropriate score on the CLEP test, AP exam, or G-CAPE placement test, or permission. Concentration on reading and writing.

**GERM 30173 German Culture in Cologne, the Rhineland and Beyond.** This site-enhanced course will offer participants an intensive immersion experience in the German culture, and is offered in tandem with GERM 40970. The program will last approximately 4 weeks in length, the first three weeks being spent in Cologne and other Rhineland sites, the last week being reserved for an excursion to another important German destination, such as Berlin or Munich.

**GERM 40023 German Culture and Civilization.** Prerequisite: GERM 30053 or GERM 30063 or permission. The main developments in German history, philosophy, science and the arts, with emphasis on the 18th, 19th and 20th centuries. All class discussion and assignments in German, providing advanced practice in grammar and usage.

**GERM 40193 Introduction to German Literature.** Prerequisite: GERM 30053 or GERM 30063 or permission. Critical reading of representative works from various periods for the purpose of developing skill in the analysis and interpretation of literature in German.

**GERM 40970 Directed Study.** Prerequisite: Permission of instructor. 1-6 hours

**GERM 50033 The Teaching of Modern Foreign Languages.** Prerequisite: junior standing, and GERM 30063 or concurrent enrollment. Analysis and consideration of values, objectives, content and methods, reference to the teaching of foreign languages in the high school. Demonstrations of modern techniques, use of audiovisual aids and realia, and operation of a foreign language laboratory. Required of students seeking Texas Public School certification. Cross-listed under FREN 50033 and SPAN 50033.

**ITAL 10153 First Semester College Italian.** A beginning course in Italian intended for students with no previous knowledge of the language, or insufficient knowledge to qualify for placement into a more advanced course. The four skills of listening, speaking, reading, and writing are taught at the elementary level, with an emphasis on oral proficiency in everyday situations encountered in Italy or any other Italian-speaking region (e.g., southern Switzerland). No prerequisite.

**ITAL 10163 Second Semester College Italian.** Prerequisite: ITAL 10153 or permission. Continuation of 10153.

**ITAL 20053 Third Semester College Italian.** Prerequisite: ITAL 10163 or appropriate score on a college-level placement test, or permission. Continuation of ITAL 10163. Further develops the skills of listening comprehension, speaking, reading, and writing. Includes language laboratory assignments.

**ITAL 20063 Fourth Semester College Italian.** Prerequisite: ITAL 20053 or permission. Combines a "targeted" review of grammatical topics with work in reading and writing that goes beyond the level of third semester. Class discussions in Italian. In addition, there will be substantial assignments involving audio and video material.

**ITAL 30970 Italian - Study Abroad.** Credits taken at an approved study abroad site. Credit accepted only for graded courses taught in Italian. 1-6 semester hours.

**JAPN 10153 First Semester College Japanese.** No prerequisite. A beginning course in Japanese intended for students with no previous knowledge of the language or insufficient knowledge to qualify for placement in a more advanced course. Aural comprehension, speaking, reading, and writing are taught, with emphasis on Japanese as it is spoken today in Japan. Japanese kana will be introduced.

**JAPN 10163 Second Semester College Japanese.** Prerequisite: JAPN 10153 or permission. Continues JAPN 10153.

**JAPN 20053 Third Semester College Japanese.** Prerequisite: JAPN 10163 or permission, or acceptable score

on appropriate competency test. Continues JAPN 10163. Further develops aural comprehension, speaking, reading, and writing skills. Assignments will include written work in Japanese.

**JAPN 20063 Fourth Semester College Japanese.** Prerequisite: JAPN 20053 or permission. Continues JAPN 20053.

**JAPN 30113 Japanese Culture and Civilization.** No prerequisite. This course emphasizes modern Japan from a sociocultural perspective, focusing on contemporary Japanese life and perceptions of the West. So as to allow maximum class time for discussion, substantial reading assignments are required. Taught in English.

**JAPN 30123 Japanese for Daily Use.** Prerequisite: JAPN 20063 or permission. This course is designed to advance students' overall ability in Japanese. Journal writing and speech making are emphasized.

**JAPN 40970 Directed Study: Japanese.** Prerequisite: Permission of instructor. Opportunity for work on one's own under supervision. (1-6 semester hours).



# Philosophy

[General Guidelines](#)

[Honors Program](#)

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## (PHIL)

Available as a major on the B.A. degree and as a minor on the B.A. or B.S. degree.

**Requirements for a B.A. degree with a major in Philosophy.** Twenty-four semester hours in philosophy with at least 6 in Topical Studies, 6 in Historical Studies and 3 in Logical Studies. At least 12 hours must be at the 40000 level or above. An accompanying minor should be chosen in consultation with the adviser for the Philosophy Department.

**Requirements for a minor in Philosophy.** Eighteen semester hours in philosophy with at least 3 hours in each of the 3 divisions (Topical, Historical and Logical Studies) at least 9 hours at the 40000 level or above. Selection of courses should be made in consultation with the designated adviser for the Philosophy Department.

### General Guidelines

The study of academic philosophy is unfamiliar and often intimidating to most beginning college students. But those students who do study philosophy quickly learn that philosophical issues touch on all aspects of life. Philosophy deals with issues such as human nature, ethics, mind and reasoning. Although approaching these issues with the rigors of the philosophical method is both new and challenging to beginning students, most of those who study philosophy usually find the experience both an interesting and rewarding one in which they learn much about themselves and the world in which they live.

PHIL 10003 must be completed prior to taking almost any other philosophy course except for those in Logical Studies. After completion of PHIL 10003, it is generally required that students take one or more 30000 level courses, where more detailed and rigorous treatment of specific areas as well as initial instruction in philosophical writing will be provided. Successful completion of courses at the 30000 level should prepare students for 40000 level courses, most of which (except for Logical Studies) satisfy the UCR Writing Emphasis requirement (see this Bulletin's UCR section on Writing Emphasis).

**Important Note:** The description of a number of 30000 or 40000 level courses include specific prerequisites for those courses. For example, in order to take PHIL 40343 (Advanced Issues in Philosophy of Law) students must first complete PHIL 10003 as well as PHIL 30413 (Introduction to Philosophy of Law). Other 40000 level courses (e.g. History of Ancient and Medieval Philosophy) require only that students have taken some 30000 level course. The department strongly urges students interested in courses beyond PHIL 10003 to consult with a member of the department in choosing courses best suited to their curricular needs.

### Honors Program

Philosophy majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in PHIL 30003 during their junior year and PHIL 40000 during the fall semester of their senior year. (Note: PHIL 30003 may be included in the 24 semester hours required for the major, but PHIL 40000 may not.)

### Pass/No Credit

Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in Philosophy are subject to the pass/no credit policy of their major department.

### Course Categories

#### Courses of Instruction

PHIL 10533 Freshman Seminar in Philosophy.

#### Topical Studies

PHIL 10003 Philosophy One.

PHIL 30003 Junior Honors Seminar.

PHIL 30313 Moral Problems.

PHIL 30323 Philosophy of Religion

PHIL 30333 Asian Philosophy.

PHIL 30343 Philosophy of Sport.

PHIL 30353 Political Philosophy

PHIL 30363 Ethics and Health Care.

PHIL 30373 Existential Philosophy.

PHIL 30383 Theories of Human Nature.

PHIL 30393 Philosophy of Mind.

PHIL 30403 Environmental Philosophy.

PHIL 30413 Introduction to Philosophy of Law.

PHIL 30970 Philosophical Studies.

PHIL 40000 Senior Honors Research Paper.

PHIL 40203 Seminar in Metaphysics

PHIL 40303 Seminar in Value Theory.

PHIL 40323 Philosophy of Science.

PHIL 40343 Advance Issues in Philosophy of Law.

PHIL 40373 Art and the Aesthetic.

PHIL 40383 Advanced Topics in Human Nature.

PHIL 40393 Ethical Theory.

PHIL 40403 Seminar in Epistemology.

PHIL 50933 Philosophy of History.

PHIL 50970 Directed Studies in Philosophy

#### Historical Studies

PHIL 40213 History of Ancient and Medieval Philosophy.

PHIL 40220 Contemporary Philosophy.

PHIL 40223 History of Modern Philosophy.

PHIL 40233 History of continental Philosophy in the 19th and 20th Centuries

PHIL 40243 Anglo-American Philosophy.

PHIL 40253 Seminar in History of Philosophy.

#### Logical Studies

PHIL 20103 Critical Reasoning.

PHIL 30133 Symbolic Logic I.

PHIL 30143 Symbolic Logic II

PHIL 40103 Seminar in Logic.

#### Courses of Instruction

**PHIL 10003 Philosophy One.** (Subtitle and content may vary in different sections.) This course focuses on the basic human concerns treated under the classical core elements of philosophical inquiry, and prepares students for more detailed treatments of these areas in courses at the 30000 level. Major topics include ethics, epistemology, metaphysics and the philosophies of religion, science, art and mind, and introductory logic.

**PHIL 10533 Freshman Seminar in Philosophy.** Topics may vary each time it is offered.

**PHIL 20103 Critical Reasoning.** How to detect, analyze, and critically evaluate reasoning in ordinary language and its technical counterparts found in business, economics, etc. The course is designed to enhance skills for handling arguments in a variety of texts. Understanding the arguments and theories encountered in one's situations is stressed, along with how one can improve one's own expression of arguments and theories, especially in writing. Topics include techniques of reconstruction and evaluation in a process of self-editing, detection of fallacies, and distinguishing correct from incorrect reasoning.

**PHIL 30003 Junior Honors Seminar.** Prerequisite: Permission of instructor.

**PHIL 30133 Symbolic Logic I.** An introduction to the scope and limits of modern logic. The nature of logical systems and the various areas of logic are discussed. Alternative proof- procedures in propositional logic and predicate logic are presented. (Offered as MATH or PHIL credit.)

**PHIL 30143 Symbolic Logic II.** Prerequisite: PHIL 30133. A continuation of 30133, with an emphasis on predicate logic, nonstandard logic, and metalogic. (Offered as MATH or PHIL credit.)

**PHIL 30313 Moral Problems.** Prerequisite: PHIL 10003. An examination of contemporary moral issues. Typical topics include abortion, euthanasia, discrimination, preferential hiring, the enforcement of community standards, the morality of war, punishment, the rights of distant peoples and future generations, and environmental ethics.

**PHIL 30323 Philosophy of Religion.** RELI 30633 Prerequisite: PHIL 10003 or any religion course. Philosophy of Religion today is centrally concerned with issues relating to the rationality and justification of religious convictions. There is also an interest in the coherence of religious concepts. In this course various philosophical models for understanding and evaluating religious convictions and practices are examined and applied.

**PHIL 30333 Asian Philosophy.** Prerequisite: PHIL 10003. A survey of the three intellectual traditions of Asia: Japanese, Chinese, and Indian philosophy. Topics include causality, concepts of the individual and Nature, and the nature of reality and knowing.

**PHIL 30343 Philosophy of Sport.** Prerequisite: PHIL 10003. Various philosophical theories regarding the nature of sport and its role in society are examined with a view to understanding the basic concepts involved in games, such as rule-governed behavior, habitual skills, strategy, competition and contingency.

**PHIL 30353 Political Philosophy.** Prerequisite: PHIL 10003. An introduction to the classical systems and central issues in political philosophy. The approach is largely historical, and selected major thinkers of most recent four centuries form the focus of the course.

**PHIL 30363 Ethics and Health Care.** Prerequisite: PHIL 10003 or permission of the instructor. An introduction to ethical and philosophical issues in healthcare. Case studies supplemented with readings from medical, nursing, and philosophical literature.

**PHIL 30373 Existential Philosophy.** Prerequisite: PHIL 10003. This course offers students an opportunity to reflect on such topics as alienation, the search for meaning, freedom, embodiment, authenticity, love, and ethics as they are dealt with in texts by major writers in the 19th and 20th century movement known as existentialism.

**PHIL 30383 Theories of Human Nature.** Prerequisite: PHIL 10003. A survey of Western ideas about the nature of human beings. The course examines theories about the fundamental characteristics of human individuals and their bearing on the nature of social groups.

**PHIL 30393 Philosophy of Mind.** Prerequisite: PHIL 10003. A survey of past and present accounts of human mentality. Beginning with the classical ideas of the soul the course concentrates on the major theories of mind advanced by Western philosophers in the last four centuries.

**PHIL 30403 Environmental Philosophy.** Prerequisite: PHIL 10003. This course surveys several contemporary approaches for understanding our moral obligation to the environment, including intuitionism, utilitarianism, deontology and feminism. By applying these approaches to concrete environmental issues, the course illustrates how efforts to preserve the environment raise special difficulties for traditional moral categories, such as intrinsic and instrumental value. The course also explores the peculiarly aesthetic dimension of environmental ethics, including claims about the value of natural beauty and unspoiled wilderness.

**PHIL 30413 Introduction to Philosophy of Law.** Prerequisite: PHIL 10003. An examination of the basic issues in

Legal Theory. Topics typically include the nature of legal reasoning, the relationship between law and morality, and classical theories of law.

**PHIL 30970 Philosophical Studies.** Prerequisite: Permission of instructor. Topics vary as announced. May be repeated for credit. 1-6 hours

**PHIL 40000 Senior Honors Research Paper.** Prerequisite: Permission of instructor. 1-3 hours

**PHIL 40103 Seminar in Logic.** Prerequisite: PHIL 30133 or MATH 20524 (or permission of instructor). Advanced topics in logic. Course content to vary by semester and will include areas such as formal languages, mathematical logic, deontic logic, modal systems, and philosophy of language.

**PHIL 40203 Seminar in Metaphysics.** Prerequisite: Permission of instructor. Course content to vary by semester and will include such areas as philosophy of mind, philosophy of history, action theory, ontology, Process Philosophy and Continental Philosophy.

**PHIL 40213 History of Ancient and Medieval Philosophy.** Prerequisites: PHIL 10003 and any 30000 level PHIL course. A survey of the major figures in Western thought between 600 BCE and 1500 CE. Among those included are the Presocratics, Plato, Aristotle, Plotinus, Augustine and Aquinas.

**PHIL 40220 Contemporary Philosophy.** Prerequisite: Permission of instructor. An historical study of one or more philosophical movements in the twentieth century. Topics vary and include analytic, existential, phenomenological and process philosophy. May be repeated for credit. (3-6 hours).

**PHIL 40223 History of Modern Philosophy.** Prerequisites: PHIL 10003 and PHIL 30383 or PHIL 30393 or permission of instructor. A survey of the major figures in Western thought from 1500 to 1800. Among those included are Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant.

**PHIL 40233 History of Continental Philosophy in the 19th and 20th Centuries.** Prerequisites: PHIL 10003 and 40223. The philosophical tradition after Kant developed in different ways in Continental Europe from the ways it did in English speaking countries. This course examines those developments, especially in Germany and France. Such thinkers as Hegel and the German Idealists, Kierkegaard and Nietzsche, Husserl and Heidegger, Sartre and Merleau-Ponty, Gadamer, Ricoeur and Derrida are discussed.

**PHIL 40243 Anglo-American Philosophy.** Prerequisites: PHIL 10003 and 40223. A historical study of either the analytic or pragmatic tradition. Such figures as Carnap, Neurath, Schlick, Moore, Russell, and Ayer; or Royce, Peirce, Mead, James Dewey, and Quine; or a combination of philosophers are studied.

**PHIL 40253 Seminar in History of Philosophy.** Prerequisites: PHIL 10003, and permission of the instructor. A philosophical study of one or more philosophers or philosophical movements of the ancient, medieval, or modern periods. Course content will vary by semester. Course may be repeated for credit.

**PHIL 40303 Seminar in Value Theory.** Prerequisite: Permission of instructor. Course content to vary by semester and will include such areas as metaethics, phenomenology of values, philosophy of religion, legal philosophy, philosophy of sport and aesthetics.

**PHIL 40323 Philosophy of Science.** Prerequisites: PHIL 10003 or advanced standing as a major in one of the physical, life, or social sciences or permission of the instructor. Includes What are the aims of science? What are the roles of theory and experiment in science? What is explanation? What is a scientific law? How do scientists justify their claims? How does scientific knowledge develop and grow? What are the differences between physical and life sciences and the social sciences?

**PHIL 40343 Advance Issues in Philosophy of Law.** Prerequisites: PHIL 10003 and 30413. A rigorous examination of specific issues in legal theory and jurisprudence. Topics may include the nature of law, legal adjudication, law and economics, theories of punishment, and legal responsibility and obligation.

**PHIL 40373 Art and the Aesthetic.** Prerequisite: PHIL 10003. Philosophical theories are presented regarding the nature of art and aesthetic experience. The concepts of representation, expression, formalism, the work of art, intention, meaning, truth, and criticism are discussed along with how they contribute to answering the question, "What is art?"

**PHIL 40383 Advanced Topics in Human Nature.** Prerequisites: PHIL 10003 and PHIL 30383 or PHIL 30393. Critical analysis of contemporary theories of human nature advanced by philosophers, psychologists, biologists, cognitive scientists and others. The thinkers under consideration will vary but examples would include E. O. Wilson, B. F. Skinner, Sigmund Freud, John Searle and Daniel Dennett.

**PHIL 40393 Ethical Theory.** Prerequisites: PHIL 10003 and PHIL 30353 or PHIL 30313 or PHIL 30363. A systematic treatment of basic issues in moral theory, critically examining such issues as the possibility of providing rational foundations for moral belief, and the nature of moral judgments and moral reasoning, focusing on the work of major historical and contemporary figures.

**PHIL 40403 Seminar in Epistemology.** Prerequisite: Permission of instructor. Course content to vary by semester and include areas such as theories of perception, theories of truth, analytic philosophy, philosophy of science, phenomenology, pragmatism and empiricism.

**PHIL 50933 Philosophy of History.** (HIST 50933) Prerequisites: 6 hours history and 3 hours philosophy. A philosophical analysis of historiography; the logical, conceptual and epistemological characterization of what historians do; also includes a study of traditional attempts to discover some meaning which transcends the intelligibility sought and achieved by ordinary historical work.

**PHIL 50970 Directed Studies in Philosophy.** Prerequisite: Permission of instructor.

## Political Science

[Requirements for a bachelor's degree](#)

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### (POSC)

Available as a major and a minor on the B.A. and B.S. degrees.

The Department offers students options for course concentrations in the following subfields: American politics, political theory, international politics, comparative politics, public law, research methods, and public affairs internships.

Students seeking certification for teaching Political Science/Government at the secondary school level should be advised by the departmental secondary certification advisor. Specific requirements for Political Science as a teaching field include:

10133 American and Texas Government	3
20093 Scope and Methods of Political Science	3
20203 Introduction to Political Theory	3
or 20303 International Politics	3
30103 Topics in American Politics	3
30303 Topics in International Politics	3
30403 Topics in Public Law	3
30503 Topics in Comparative Politics	3
Total	24

**Pass/No Credit Policy.** Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in Political Science are subject to the pass/no credit policy of their major department.

### Requirements for a bachelor's degree

**The B.A. degree with a major in Political Science** requires 27 hours of Political Sciences courses passed with a grade of "C" or better and a maximum of 12 hours below the 30000 level. The degree requires POSC 20203 (Introduction to Political Theory) and any two of the following three: POSC 20093 (Scope and Methods of Political Science), POSC 20123 (Issues in American Politics) and POSC 20303 (Introduction to International Politics). The degree also requires POSC 30203 (Topics in Political Theory) plus any 12 advisor-approved, 30000-level political science hours and one three-hour political science elective. Any "Topics" courses may be repeated provided the specific subject matter changes. Students intending to do graduate work in international or comparative fields are encouraged to continue foreign language study beyond the 20000 level. No more than six hours of internship credit may be counted. The three-hour seminar taken in conjunction with the Washington Center internship program may be counted in addition to six hours of internship. A minor is required; any minor approved for the B.A. degree is acceptable.

**The B.S. degree with a major in Political Science** requires 27 semester hours of Political Science courses passed with a grade of "C" or better and a maximum of 12 hours below the 30000 level. The degree requires POSC 20093 (Scope and Methods of Political Science), POSC 20123 (Issues in American Politics) and either POSC 20203 (Introduction to Political Theory) or POSC 20303 (Introduction to International Politics). The degree also requires POSC 30093 (Topics in Political Science Methods), POSC 30103 (Topics in American Politics) plus any 9 advisor-approved, 30000-level political science hours and one three-hour political science elective.

The B.S. degree has the following associated requirements, a total of twelve hours chosen from each of the following groups:

#### I. Statistics (3 hours)

INSC 20153 Statistical Analysis  
MATH 10043 Elementary Statistics

#### II. Calculus (3 hours)

MATH 10283 Applied Calculus or  
MATH 10524 Calculus I

#### III. Methods in Social Science Research (3 hours)

ECON 30313 Research Methods in Economics  
ECON 50343 Econometrics  
HIST 30063 Introduction to Historical Research  
PSYC 30503 Behavioral Research  
SOC 30383 Research Methods in Sociology

#### IV. Enrichment of Research Skills (3 hours)

INSC 30353 Regression Analysis  
 ENGL 30223 Technical Writing  
 ENGL 30283 Cyberliteracy  
 ENGL 40243 Professional Writing and Editing  
 ENGL 40253 Propaganda Analysis and Persuasion  
 JOUR 40513 Media Analysis and Research  
 JOUR 40903 Research Methods for Mass Media  
 MARK 40113 Marketing Research  
 MATH 30803 Probability and Statistics I  
 PHIL 40323 Philosophy of Science  
 PSYC 30263 Problem Solving in Task Oriented Groups

Students intending to do graduate work in the social sciences or business are encouraged to take the B.S. degree program. It is also recommended for students interested in employment in government and politics. Students should be aware that some graduate programs in the social sciences require calculus (MATH 10283 or 10524) for admission. Any "Topics" courses may be repeated provided the specific subject matter changes. Students intending to do graduate work in international or comparative fields are encouraged to study relevant foreign languages. No more than six hours of internship credit may be counted. The three-hour seminar taken in conjunction with the Washington Center internship program may be counted in addition to six hours of internship. A minor is required; any minor approved for the B.S. degree is acceptable.

**The B.A. degree in Political Science with emphasis in International Relations** requires 27 hours of Political Sciences courses passed with a grade of "C" or better and a maximum of 12 hours below the 30000 level. The degree requires POSC 20203 (Introduction to Political Theory), POSC 20303 (Introduction to International Politics) and either 20093 (Scope and Methods of Political Science) or POSC 20123 (Issues in American Politics). The degree also requires either POSC 30093 (Topics in Political Science Methods) or POSC 30203 (Topics in Political Theory) as well as POSC 30303 (Topics in International Politics) and POSC 30503 (Topics in Comparative Politics) plus any 6 advisor-approved, 30000-level political science hours and one three-hour political science elective.

Any "Topics" courses may be repeated provided the specific subject matter changes. No more than six hours of internship credit may be counted. The three-hour seminar taken in conjunction with the Washington Center Internship program may be counted in addition to six hours of internship.

This emphasis requires an interdisciplinary minor, which consists of 18 semester hours selected from the following groups:

- I. Third-year foreign language (up to 6 hours - 6 hours required if the student has no foreign language minor)
- II. Upper-division international ECON or advisor-approved, upper-division ECON (at least 3 and up to 6 hours)
- III. Upper division, international-related courses from ANTH, GEOG, HIST, JOUR or RELI, selected with advisor approval (at least 9 hours and up to 15 allowed for students with a foreign language minor).

The department strongly encourages students to participate in an international educational experience; it especially encourages an international educational experience in a setting where the student's language of study is used.

#### **Requirements for a minor in Political Science**

A minor requires 18 semester hours in Political Science passed with a grade of "C" or better. No more than three semester hours may be earned at the 10000 level and no more than nine semester hours may be earned below the 30000 level. Students must take either POSC 20093 or 20203. Any "Topics" course may be repeated provided the specific subject matter changes. No more than six hours of internship credit may be counted. The three-hour seminar taken in conjunction with the Washington Center internship program may be counted in addition to six hours of internship.

#### **Honors Program**

Political Science majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in POSC 30003 during their junior year and POSC 40003 during the fall semester of their senior year.

#### **Honor Society**

The Department sponsors the Beta Lambda Chapter of Pi Sigma Alpha, national honor society in Political Science. Membership in Pi Sigma Alpha requires completion of a minimum of 10 semester hours of political science courses (at least six of which must be in regular classroom courses on TCU's campus and at least three of which must be advanced, i.e., 30000-level or above) and members must have at least a 3.0 GPA in political science courses and at least a 3.5 GPA overall. Applicants need not be political science majors or minors.

#### **London Internship Program**

TCU's London Internship Program is part of TCU's London Centre, which provides an academic program, as well as housing and supervision of internships. A student in any major may apply for an internship appropriate to her or his career interests. The work obligation of each intern will be either three days per week (9 credit hours) or four days per week (12 credit hours). Students may take academic courses at The London Centre to total 15 credit hours. Professor Jackson (Political Science) is the Director of the London Internship Program.

#### **Washington Internship Program**

TCU is affiliated with the Washington Center, which provides placements, supervision, and housing for students who seek a professional experience in a public or private organization in the nation's capital. Students selected for the program are required to have a minimum GPA of 3.0 and must return to TCU for at least one semester after internship. Students apply each fall, a year in advance of their internship, and are required to attend a noncredit preparatory seminar in the spring. Students may earn up to 15 hours of credit through this program, which is multi-disciplinary and available to students in any major field.

#### **Course Categories**

**Political Science as a Discipline**

POSC 10093 Introduction to Political Science.  
 POSC 10433 Freshman Seminar in Political Science.  
 POSC 20093 Scope and Methods of Political Science.  
 POSC 30003 Honors in Political Science  
 POSC 30093 Topics in Political Science Methods.  
 POSC 40003 Senior Honors in Political Science.

**American Government and Politics**

POSC 10133 American and Texas Government.  
 POSC 20123 Issues in American Politics.  
 POSC 30103 Topics in American Politics.

**Political Theory**

POSC 20203 Introduction to Political Theory.  
 POSC 30203 Topics in Political Theory.

**International Politics**

POSC 20303 International Politics.  
 POSC 30303 Topics in International Politics.

**Public Law**

POSC 30403 Topics in Public Law.

**Comparative Politics**

POSC 30503 Topics in Comparative Politics.  
 POSC 30903 Contemporary British Politics.

**Independent Study**

POSC 40900 Internship in Political Science/British Studies.  
 POSC 40950 Internship in Political Science.  
 POSC 40970 Independent Study in Political Science.

**Courses of Instruction**

**POSC 10093 Introduction to Political Science.** Introduces students to varying thought on and divergent practices of politics in a variety of nations.

**POSC 10133 American and Texas Government.** The American political system at national and state levels, including a survey of the federal and Texas Constitutions. This course satisfies the Texas state certification requirements for education majors.

**POSC 10433 Freshman Seminar in Political Science.** Topics may vary each time it is offered.

**POSC 20093 Scope and Methods of Political Science.** Prerequisites: Prior completion of or concurrent enrollment in MATH 10043 Elementary Statistics or an equivalent course. Introduction to political science as a field of study and to the major issues in relating theory and empirical research to the study of political behavior.

**POSC 20123 Issues in American Politics.** Introduction to the dynamics of American governmental institutions and political processes through the study of significant contemporary issues in the American political arena. The particular issues may vary from semester to semester in accordance with the changing interests of students and instructor.

**POSC 20144 Civic Literacy.** An introduction to the essential information and skills for individuals to become responsible participants in the civic lives of their communities. The course includes a laboratory segment in which students will participate in the development and implementation of group community projects.

**POSC 20203 Introduction to Political Theory.** Introduction to the normative or value dimensions of political inquiry through the study of selected classics in political literature.

**POSC 20303 International Politics.** Introduction to both the major actors and issues which comprise contemporary international politics. A major goal of the course is to familiarize students with non-western perspectives on international phenomena.

**POSC 30003 Honors in Political Science.** Examination of a significant political issue. This is generally offered on a tutorial basis and the specific topic is determined jointly by the student and the instructor. POSC 30003 and 40003 cannot be taken simultaneously.

**POSC 30093 Topics in Political Science Methods.** Prerequisites: POSC 20093 or consent of the instructor. Topics include political science methods applied to various research problems such as political behavior, public policy analysis, and program evaluation.

**POSC 30103 Topics in American Politics.** Topics related to the study of American political institutions, processes, behavior, and policy, such as Congress, the Presidency, political parties and elections, interest groups, social and defense policy, and Texas politics.

**POSC 30203 Topics in Political Theory.** Prerequisites: POSC 20203. Topics will be selected from varying periods of Western history: ancient, medieval, modern, and contemporary. Topics may focus on individual thinkers (Hobbes), groups of thinkers (the Liberal Tradition), or on policy questions (Human Nature and Public Policy).

**POSC 30303 Topics in International Politics.** Topics studied include such areas as U.S. foreign policy, Russian foreign policy, and various regional issues.

**POSC 30403 Topics in Public Law.** The course sequence includes Gender and Sexual Orientation in Contemporary Law, International Human Rights, and several courses on American Constitutional Law. A simulation of the U.S. Supreme Court is offered in alternate years.

**POSC 30503 Topics in Comparative Politics.** European politics, Latin American politics, Middle Eastern politics, developing political systems, etc.

**POSC 30903 Contemporary British Politics.** This course is designed to provide an introduction to British politics

and comparative political analysis of current issues. Classroom instruction will be augmented by two weeks inside parliament, where students are given the opportunity to observe British government firsthand. Primary texts include *Developments in British Politics 5* and *The British Polity*; students will also be reading at least one English newspaper a day, as well as consulting the *Economist* for weekly overview and analysis. Student evaluations will be based on two essays, two exams, and class presentations; furthermore, student will submit written assignments relating to field experiences in London.

**POSC 40003 Senior Honors in Political Science.** The writing of a substantial research paper under the supervision of a three person faculty committee. A grade of Incomplete will be carried in this course until the paper is completed. The sequence of POSC 30003 and 40003 must be planned so that 40003 is taken prior to the student's final semester of undergraduate work.

**POSC 40900 Internship in Political Science/British Studies.** Washington Center or at the London Centre. Full-time internships with a public or private agency in Washington, D.C. or in London, England, offered either through the Washington Center or through TCU's London Centre. The internship will allow students to integrate theory and practice in a supervised professional setting, up to 12 semester hours credit. (Offered as BRST or POSC credit.)

**POSC 40910 Washington Internships.** Full time internships with a public or private agency in Washington, D.C. offered in collaboration with the Washington Center. Offered during the Fall term only, these internships help students to integrate theory and practice in a supervised professional setting for up to 12 semester hours credit.

**POSC 40920 London Internships.** 3-day or 4-day per week interns with public or private agencies in London, England, offered through TCU's London Center. Offered during the fall and spring terms, these internships accommodate students' long-term professional objectives. Internships are offered for either 9 or 12 semester hours credit. Most of the London interns also take one or two classroom courses while in London. (Offered either for BRST or POSC credit.)

**POSC 40950 Internship in Political Science.** Individually arranged local internship for 3 semester hours credit. Students expected to spend 150 hours in a local placement (in a regular term that would amount to 10 hours per week.)

**POSC 40960 Civic Literacy Internships.** Offered as a follow-up to POSC 20123, Civic Literacy for 3 semester hours credit. These are supervised internships in local settings, with bi-weekly meetings to reflect on a variety of experiences of the students. Students are expected to spend 150 hours in a local placement (in a regular term that would amount to 10 hours per week.)

**POSC 40970 Independent Study in Political Science.** Prerequisite: A specific program of study approved by instructor prior to enrollment. (1-6 semester hours)

# Religion

[Requirements for a B.A. degree with a major in Religion.](#)

[Requirements for a minor in Religion](#)

[Writing Proficiency](#)

[Honors Program](#)

[Courses of Instruction](#)

## (RELI)

Available as a major on the B.A. degree and as a minor on the B.A., B.S. and B.B.A. degrees.

The meaning of human existence in relation to ultimate reality has been a concern of all cultures past and present. Any adequate understanding of human culture must take seriously the phenomenon of religion. The academic study of religion, therefore, is a central part of a liberal arts education, at home among the disciplines called the humanities. The Department provides an informed understanding of various aspects of religious traditions. More broadly, it supports the University's commitment to multiculturalism and education from a global perspective through study of the cultural diversity apparent in the world's religious traditions. Interdisciplinary and foreign studies contribute to the development of such awareness and we encourage students to explore those possibilities.

Courses in the Department approach religious traditions historically, textually, aesthetically, philosophically, and comparatively, and consider the role of religion in society, culture, and individual life. These courses introduce students to various methods and issues in the study of religion; familiarize them with the beliefs and practices of various religious traditions; develop their critical thinking, reading, and writing skills; and encourage them to explore and evaluate their own culturally-conditioned self-understandings and ultimate commitments. Students will find the multidimensional study of religion to be fertile ground for developing habits of mind that are excellent foundations for professional life. Those planning for seminary, graduate study in religion or other disciplines, or church-related vocations will be well prepared by Department courses and well supported by faculty advisement.

### Requirements for a B.A. degree with a major in Religion.

Thirty semester hours, with 27 of those hours distributed among three broad course groups: (I) Communities (historical or phenomenological accounts of religious communities, separately or comparatively); (II) Texts & Ideas (religious texts and discourse; religion in word and thought; religious thinking in historical context); and (III) Society & Culture (religion as it intersects with historical social practices, material cultures, and social constructions). A capstone Senior Seminar will constitute the three remaining credit hours for the major. At least 18 hours must be at the 30000 or 40000 level. Religion majors are required to take at least one 10000-level course. No more than two 10000 level courses will count toward the major. Majors must also take one specially designated Sophomore Seminar. Religion courses must be distributed so that students take at least two courses in each of the three course groups.

**Pass/No Credit Policy.** Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in Religion are subject to the pass/no credit policy of their major department.

### Requirements for a minor in Religion

Eighteen semester hours with at least one course from each of the three broad course groups: (I) Communities; (II) Texts & Ideas; and (III) Society & Culture. Minors are required to take at least one 10000-level course. No more than two 10000-level courses will count toward the minor. At least 9 of the 18 hours must be at the 30000 or 40000 level.

### Writing Proficiency

The development of writing proficiency is a vital component of the educational process. Both majors and minors are encouraged to utilize faculty assistance and the resources of the Writing Center to achieve that goal.

### Honors Program

Religion majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in RELI 30003 during their junior year, and RELI 40003 during the fall semester of their senior year. Note: RELI 30003 Junior Honors Seminar substitutes in the major for the required Senior Seminar, RELI 40603.

### Course Categories

#### Communities

RELI 10023 Understanding Religion: Communities.  
 RELI 20523 Sophomore Seminar: Finding the Founders.  
 RELI 20703 Leadership in Ministry.  
 RELI 30323 Christian Tradition: Emergence to the Renaissance.  
 RELI 30333 Christian Tradition: Reformation To Modernity.  
 RELI 30413 Contemporary Catholicism.  
 RELI 30453 Sects and Cults in American Religion.  
 RELI 30513 Hindu Religious Perspectives.  
 RELI 30523 East Asian Religious Perspectives.  
 RELI 30533 Buddhism: Thought and Practice.  
 RELI 30543 Islam.  
 RELI 30553 African Religions.  
 RELI 30563 Judaism.  
 RELI 30573 Daoism and Chinese Religions.  
 RELI 40313 The History of Religion in America.



**Texts & Ideas**

RELI 10033 Understanding Religion: Texts & Ideas.  
 RELI 20123 New Testament Literature and Life.  
 RELI 20443 Faith and Ethical Leadership.  
 RELI 20643 Sophomore Seminar: Thinking about Christian Faith.  
 RELI 30113 Jesus and the Gospels.  
 RELI 30123 Paul and the Early Church.  
 RELI 30133 Religion and the Search for Meaning in the Old Testament.  
 RELI 30153 How to Read the Bible: Story and Politics.  
 RELI 30303 Christian Ethics.  
 RELI 30633 Philosophy of Religion.  
 RELI 30643 God in Modern Thought.  
 RELI 30733 Mysticism.  
 RELI 30773 India: Texts and Traditions.  
 RELI 30813 Black Religion and Black Literature.  
 RELI 30823 Jesus in Fiction and Film.  
 RELI 30833 Theology and Literature.  
 RELI 30883 Literary Images of God.  
 RELI 40130 Issues in Biblical Interpretation.  
 RELI 50130 Seminar in Biblical Studies.

**Society & Culture**

RELI 10043 Understanding Religion: Society & Culture.  
 RELI 20503 Africa and the African Diaspora: History, Religion, and Culture I.  
 RELI 20513 Africa and the African Diaspora: History, Religion, and Culture II.  
 RELI 20803 Sophomore Seminar: Myth and Ritual on Film.  
 RELI 30143 Love and Sex in the Biblical World.  
 RELI 30163 The Bible at the Movies.  
 RELI 30343 Black Religion in U.S.  
 RELI 30433 Christianity and Contemporary Social Issues.  
 RELI 30443 Religion and Politics in Latin America.  
 RELI 30463 Being Latina/o and Religious in the United States.  
 RELI 30673 Anthropology and Religion.  
 RELI 30683 Sociology of Religion.  
 RELI 30713 Women and Womanhood in Western Religion.  
 RELI 30723 Religion and Science.  
 RELI 30743 Religion, Art and Visual Culture.  
 RELI 30783 Religion and Environmental Ethics.  
 RELI 30843 Latina Feminist Religious Thought.  
 RELI 30853 Women in American Religion.  
 RELI 30873 Islam in America.  
 RELI 30893 Caribbean Religions.  
 RELI 40613 Constructive Global Ethics.  
 RELI 40733 Church and State Relations in America.

**Other**

RELI 10433 Freshman Seminar in Religion.  
 RELI 10533 Freshman Seminar in Religion.  
 RELI 30003 Honors Seminar in Religion.  
 RELI 40603 Senior Seminar.  
 RELI 30793 Religion, Sports and U.S. Culture.  
 RELI 30970 Directed Study: Religion.  
 RELI 40003 Senior Honors Research Paper.  
 RELI 40700 Religion in Geographical Context.  
 RELI 40900 Projects in Religion.  
 RELI 50970 Directed Study in Religion.

**Courses of Instruction**

**GREE 10053 First Semester College Greek (Hellenistic).** An introduction to the grammar of ancient Greek, utilizing as the basis of study the elements of the Hellenistic Greek of the first century A.D. found in the best known documents of the period, the New Testament.

**GREE 10063 Second Semester College Greek (Hellenistic).** HELLENISTIC Prerequisite: GREE 10053 or its equivalent. Continuation of GREE 10053. In the second half of the semester, students will read from the New Testament Gospels.

**GREE 20053 Third Semester College Greek (Hellenistic).** Prerequisite: GREE 10053 and 10063 or equivalent. Further study of Hellenistic Greek grammar, through extensive reading in the New Testament, especially the letters of Paul.

**GREE 20063 Fourth Semester College Greek (Hellenistic).** Prerequisite: GREE 20053 or equivalent. Continuation of GREE 20053, with reading and interpretation of the New Testament and other Hellenistic texts.

**GREE 40970 Directed Studies in Greek.** Prerequisite: permission of instructor. Opportunity for independent study of Hellenistic text. (1-6 semester hours.)

**RELI 10003 Understanding Religion: The Bible.** This course considers historical, comparative and methodological issues in the study of religion by focusing on the background and contents of the Hebrew and Christian Bibles and ways these foundational texts inform later Judaism and Christianity.

**RELI 10013 Understanding Religion: The World's Religions.** This course considers historical, comparative and methodological issues in the study of religion by focusing on some foundational texts, figures and ideas in major world religions.

**RELI 10023 Understanding Religion: Communities.** This course introduces students to the vital role of religion in human experience by considering historical, comparative and methodological issues in the study of religion with reference to rituals, institutions, texts, figures, and beliefs in major world religions. Credit cannot be given for both RELI 10013 and 10023.

**RELI 10033 Understanding Religion: Texts and Ideas.** This course introduces students to the vital role of religion in human experience by exploring literary, historical, cultural dimensions of religion texts, patterns of belief, and related ritual and ethical practices. Credit cannot be given for both RELI 10003 and 10033.

**RELI 10043 Understanding Religion: Society and Culture.** This course introduces students to the vital role of religion in human experience. Through case studies, readings, lectures, and multimedia demonstrations, students will learn about the various relations between religion, culture, and society. Credit cannot be given for both RELI 10013 and RELI 10043.

**RELI 10433 Freshman Seminar in Religion.** Topics may vary each time it is offered.

**RELI 10533 Freshman Seminar in Religion.** Topics may vary each time it is offered.

**RELI 20123 New Testament Literature and Life.** An introduction to the writings in the New Testament with special attention to the content of the individual books, together with an understanding of the beginnings of the Christian faith seen through the study of the Gospels and the initial development of the Christian movement.

**RELI 20443 Faith and Ethical Leadership.** What's religion got to do with making moral decisions? In this introduction to religious ethics, students learn how to deepen their capacity to make moral choices by thinking about the interrelationship of modes of decision-making, social analyses and faith commitments. Then, using case studies, students explore how Muslims, Christians and Jews can provide moral leadership in civic discourse regarding ethical issues from pre-marital sex to economic justice.

**RELI 20503 Africa and the African Diaspora: History, Religion, and Culture.** This class examines the origins and impact of African civilization, focusing on the worlds of traditional religions, Islam and Christianity in Africa; colonialism, anti-colonial struggles, independence, and post-colonialism; African studies in Western Scholarship; and issues affecting modern Africa.

**RELI 20513 Africa and the African Diaspora: History, Religion, and Culture.** Building on RELI 20503, this class examines West African religious traditions, the 'involuntary diaspora' to the New World, as well as 'creole' religions and culture within the Caribbean. It concludes with an account of the rise of the African Independent Churches; the place of women in North African Islam; the presence of Rastafari in Ghana, and the continuing clash of traditional African and Western cultures.

**RELI 20523 Sophomore Seminar: Finding the Founders: Lives of Confucius, the Buddha, and Jesus.**  
Prerequisite: Religion major or permission of instructor. Must have completed introductory religion course. This course considers the founders of three important religious traditions, both in their own right and as examples of what happens during the creation of a religious tradition. After considering the question "what is religion?" we turn to reports of the lives of Confucius, the Buddha, and Jesus Christ. We will inquire into how their cultural context shapes them, and how our cultural upbringing shapes the way we look at them.

**RELI 20643 Sophomore Seminar: Thinking About Christian Faith.** Prerequisites: Religion major or permission of instructor. Must have completed an introductory Religion course. An introduction to theological reading, thinking, and writing through an exploration of major doctrines in Christian theology. Nineteenth- and twentieth-century developments, such as the rise of historical thinking and its impact on Christology, the rise of scientific thinking and its impact on the doctrine of creation, and the rise of postmodern thinking and its impact on Christian views of other religions will be emphasized. Class procedure will be seminar discussion of assigned readings.

**RELI 20703 Leadership in Ministry.** Prerequisite: Religion major or minor, or departmental permission. Introduces the role of the minister and outlines his/her responsibilities. Special emphasis on preaching, religious education (including youth work) and pastoral care.

**RELI 20803 Sophomore Seminar: Myth and Ritual on Film.** Through course readings and screenings, students will see how films are created in ways strikingly similar to the ways religious rituals and myths are created. Films screened include *The Matrix*, *The Wizard of Oz*, *Apocalypse Now*, and *Before the Rain*.

**RELI 30003 Honors Seminar in Religion.** Creative dialogue between religion and other disciplines of learning, or aspects of culture.

**RELI 30113 Jesus and the Gospels.** A careful look at early Christian gospels, including Thomas, and at how scholars construct a historical Jesus from them.

**RELI 30123 Paul and the Early Church.** The developing origins of Christianity, with particular emphasis on Paul and his influence.

**RELI 30133 Religion and the Search for Meaning in the Old Testament.** Study of the biblical books of Psalms, Proverbs, Ecclesiastes and Job within their own socio-historic contexts as a basis for investigating some of the fundamental questions of human religious experience, including the function of worship, the relationship of reason and faith, the problem of evil, and the bases of ethical behavior.

**RELI 30143 Love and Sex in the Biblical World.** Prerequisite: RELI 10003, 10013, or permission of instructor. A study of male-female relationships in Israel's history, literature and religion, with attention to the relevance of biblical values to today's society.

**RELI 30153 How to Read the Bible: Story and Politics.** Prerequisite: RELI 10003, 10013, or permission of instructor. Explores distinctive characteristics of biblical narrative and investigates why readers produce different interpretations of biblical stories. It asks how social structures and value systems, ancient and modern, affect texts and interpreters.

**RELI 30163 The Bible at the Movies.** Prerequisite: RELI 10003, 10013, or permission of instructor. Examines movies based on biblical stories to see how the Bible may be interpreted in words and visual images. Investigates

how the Bible's authority is used to promote particular religious, moral, social, and political values in popular culture.

**RELI 30303 Christian Ethics.** An introduction (beginning with the Bible) to major perspectives, with particular focus on developments since the Reformation. The student will argue a contemporary issue from a historical perspective.

**RELI 30323 Christian Tradition: Emergence to the Renaissance.** A study of developments in Christian thought, practice, and institutions from the beginnings of the church through the 15th century.

**RELI 30333 Christian Tradition: Reformation To Modernity.** A study of developments in Western Christianity from the 16th century Reformation to the 20th century, with attention to issues of theology, institutions, and practices. Does not include religion in America.

**RELI 30343 Black Religion in United States.** Explores the relationship between "race" and religion, and surveys African-American religious history in the United States, from the religious commitments of enslaved Africans to contemporary American black people's faiths.

**RELI 30413 Contemporary Catholicism.** Roman Catholicism in the modern period with particular attention given to the Second Vatican Council and its intellectual and institutional implications. There will be some emphasis on American Catholicism.

**RELI 30433 Christianity and Contemporary Social Issues.** Critical study of the relationship of Christianity to the formation of social values, to participation in national and international ethical discourse, and to participation in popular culture in America

**RELI 30443 Religion and Politics in Latin America: The Cross and the Sword.** Study will focus on the traditional and newly-emerging interaction of Judeo-Christian ideas and institutions with the society and politics of certain Latin American countries. In comparison, the cultural bases of North American presuppositions about religion and politics will also be explored. (Also taught as POSC 30503).

**RELI 30453 Sects and Cults in American Religion.** The categories "sect" and "cult" in religion studies, with illustrations from existing groups, both within and outside the Christian tradition, e.g., Hasidic Judaism, Jehovah's Witnesses, Christian Science, Baha'i, the Amish, and Mormonism.

**RELI 30463 Being Latina/o and Religious in the U.S..** This course will investigate the variety of religious life found among U.S. Latina/os, looking beyond misconceptions, generalizations and stereotypes.

**RELI 30513 Hindu Religious Perspectives.** An exploration of the diverse strands of the Hindu religious tradition (ritual, philosophical, devotional) from the Vedic period to the modern day.

**RELI 30523 East Asian Religious Perspectives.** Examines the development of Confucianism, Daoism, and Buddhism. The course will explore the religious worldviews of these East Asian traditions in historical and cultural context, as well as issues relating to the comparative study of religions.

**RELI 30533 Buddhism: Thought and Practice.** The development of Buddhism in India, Southeast Asia, Tibet, China, Japan, and North America. Material will range from the Buddha's life to contemporary forms of Buddhism in America.

**RELI 30543 Islam.** The Islamic religious tradition from 7th century Arabia to current resurgence, including social, theological, and mystical dimensions. Topics include Muslim views of Allah, revelation the Qur'an, and the Prophet Muhammad. Islam's encounter with "modernity" will also be addressed.

**RELI 30553 African Religions.** Explores the worldviews, beliefs and practices of African Traditional Religions. Also examines the impact of Christianity and Islam on African Traditional Religions since the colonial period.

**RELI 30563 Judaism.** The course is an introduction to many of the historical forms and manifestations of Judaism. The goal of this course is to examine Judaism conceptually, considering topics such as literature, politics, art, history and ritual, and to provide the student with a conceptual basis that will facilitate the comparison of Judaism with other world religions.

**RELI 30573 Daoism and Chinese Religions.** This course explores the development of the Daoist tradition in the context of Chinese popular religions. We will study early Daoist communities, texts, and practices to advance our understanding of such religious themes as: the body and the cosmos; magical medicine; immortality practice; ritual; scripture and revelation; apocalypticism; and the relationship between "classical" and "popular" religious traditions.

**RELI 30633 Philosophy of Religion.** Prerequisite: PHIL 10003 or any religion course. This course is centrally concerned with issues relating to the rationality and justification of religious convictions. There is also an interest in the coherence of religious concepts. Various philosophical models for understanding and evaluating religious convictions and practices are examined and applied.

**RELI 30643 God in Modern Thought.** Prerequisite: 3 semester hours of Religion or Philosophy. An exploration of ideas of God as they have developed in Western theology and philosophy since the 17th century. The relation between these ideas and current models for thinking about God will be stressed.

**RELI 30673 Anthropology and Religion.** Prerequisites: ANTH 20623, RELI 10023 or RELI 10043 or consent of the instructor. Anthropological findings in the comparative study of religion and culture across a broad range of societies. Studies of sacred experience, myth, ritual, magic, witchcraft, religious language, gender and religion, healing, and relationships between social and religious change.

**RELI 30683 Sociology of Religion.** Prerequisite: SOCI 20213; SOCI 20223 or permission of instructor. An introduction to understanding the role of religion in society and to sociological methods for the study of religion. The course will introduce theories and research pertaining to types of religious experience, conversion and commitment, denominationalism, secularization and fundamentalism. Class, gender, race and ethnicity will also be addressed as they influence religion in society. (Offered as RELI or SOCI credit.)

**RELI 30713 Women and Womanhood in Western Religion.** An exploration of the ways Christianity, Judaism,

and Islam have helped to shape Western attitudes toward women. The lives of representative women and their influence will be examined in some detail; readings from religious thinkers on the nature of woman will be studied.

**RELI 30723 Religion and Science.** An exploration of the ways of knowing utilized in religion (particularly the Judeo-Christian heritage) and in science, and how these ways of knowing relate.

**RELI 30733 Mysticism.** Prerequisite: RELI 10003, 10013 or permission of instructor. An examination of concepts of mysticism and mystical experience. Examples will be drawn from Christian, Hindu, and Buddhist sources.

**RELI 30743 Religion, Art and Visual Culture.** This course examines interactions between religious practices and the visual arts in cross-cultural settings. Looking at visual art media such as architecture, painting, film, landscape, gardens, and calligraphy, the course will situate these media in specific religious traditions and practices including Hinduism, Buddhism, Judaism, Christianity, and Islam.

**RELI 30773 India: Texts and Traditions.** (ENGL 30773) A consideration of selected classic works of religious and literary imagination in Indian culture. Versions and interpretations of the Hindu epics Mahabharata and Ramayana will be examined in translation.

**RELI 30783 Religion and Environmental Ethics.** Explores the ethical challenge of increased competition for world resources. Examines how changing religious understandings of stewardship, fairness and rights shape moral choice in issues like distribution of goods, care of nature and population shifts.

**RELI 30793 Religion, Sports and U.S. Culture.** Studies sports to explore meaning and definition of religion, and examines role of sports in shaping U.S. faith and life from the seventeenth century to the present.

**RELI 30813 Black Religions and Black Literature.** This course explores the religious themes found within black literature for the purpose of developing new interdisciplinary methods and validating the use of black literary analysis for the study of black religion. The course introduces interdisciplinary methods and approaches to religious inquiry about the nature and meaning of God, religious experiences, community, and culture. Particular attention will be given to the black woman's literary tradition.

**RELI 30823 Jesus in Fiction and Film.** Over the past fifty years many creative writers and movie makers have attempted portraits of Jesus and Christ-figures in fiction and film. This course will identify the christological themes in these portraits and examine their importance for the development of contemporary Christian theology.

**RELI 30833 Theology and Literature.** This course probes the Christian theological themes (the reality of God, the person and work of Jesus Christ, the relationship between good and evil, the life and mission of the Church, and the idea of life after death) expressed in various works of post-1945 fiction and the Christian theological tradition.

**RELI 30843 Latina Feminist Religious Thought.** In this course we will investigate and analyze discourses put forward by Latinas within the religious/theological field and how they fit the larger picture of Latina Feminisms in the United States.

**RELI 30853 Women in American Religion.** Explores the experiences of women in American religion with attention to the interplay between women's religious identities and their roles in the work force, families, and racial, ethnic and/or minority groups. Readings will be drawn from historical, sociological and theological works.

**RELI 30873 Islam in America.** Explores the growth and spread of Islam in America. Introduces students to different Islamic groups and how they relate to each other. Discusses Muslims' responses to different challenges and criticism of Islam and Muslims by the media. Explains the roles of African Americans and women in Islamic institutions in America.

**RELI 30883 Literary Images of God.** Prerequisite: RELI 10003, 10013, or permission of instructor. This course examines the nature and activity of God from a variety of literary perspectives. One focus is a study of God as the protagonist of a classic of world literature, namely, the Hebrew Bible. Another focus is that of God in contemporary novels, short stories, and memoirs.

**RELI 30893 Caribbean Religions.** Beginning with an historical account of the origins and development of religions in the Caribbean, this course views the Neo-African traditions of Vodoun, Shamanism, Santeria, Rastafarianism, and Obeah through the prism of contemporary Caribbean literature.

**RELI 30970 Directed Study: Religion.** Directed Study in Religion.

**RELI 40003 Senior Honors Research Paper.** To be written under the tutorial leadership of members of the faculty.

**RELI 40130 Issues in Biblical Interpretation.** Prerequisite: RELI 10003 or permission of instructor. Examination of issues that arise from the interpretation of biblical texts. The particular issues studied will be chosen from areas of current interest or from methodological considerations (such as contemporary hermeneutics, biblical theology and ethics, or critical methodologies). (3-6 semester hours)

**RELI 40313 The History of Religion in America.** A survey of the major events and developments in religion in the United States, taking into account the development of institutions and thought patterns in terms of their interaction with the American context.

**RELI 40603 Senior Seminar.** Prerequisite: Senior standing and 12 hours in Religion. Capstone seminar exploring selected issues, themes, or methods in the academic study of religion.

**RELI 40613 Constructive Global Ethics.** A critical study of ethical inquiry in a pluralistic world by focusing on proposals for a global ethic, scholarship on interreligious dialogue and research in comparative religious ethics. Students write proposals for promoting moral consensus on an international issue.

**RELI 40700 Religion in Geographical Context.** A seminar dealing with a significant topic such as religion in art, church history, or contemporary issues, conducted in appropriate locations in this country or abroad. Specific topic will be defined as course is scheduled. Admission to course through application by announced deadline. (1-6 semester hours)

**RELI 40733 Church and State Relations in America.** The relationships between religious institutions and civil

authority in America. While providing a historic context for the study, the course is primarily issue-oriented, dealing with such topics as prayer and Bible reading in public schools, state aid to parochial schools, conscientious objection to military service, Sunday closing laws, and taxation of churches.

**RELI 40900 Projects in Religion.** Assigned special problems in religion. (1-3 semester hours)

**RELI 50130 Seminar in Biblical Studies.** Prerequisite: approval of instructor. A particular topic in Biblical Studies will be selected for detailed study. (3-6 semester hours)

**RELI 50970 Directed Study in Religion.** 1 - 6 semester hours

# Sociology

## Courses of Instruction

Sociology examines the complex relationship between everyday life experiences and broader societal and historical forces that provide contexts for such experiences. In examining the connection between individual stories about experiences and collective patterns of experiencing, sociologists advance theories of human conduct that explore decision making in varieties of social, political, economic, familial, and religious contexts. The aim of sociological theorizing is to provide individuals with intellectual and practical understandings about the decisions human beings make as they construct and maintain social realities.

### (SOCl)

Available as a major on the B.A. degree and as a minor on the B.A. and B.S. degrees.

**Requirements for the B.A. degree with a Major in Sociology.** Twenty-seven semester hours in Sociology, including SOCI 20213, 30383, and 30833. Students must average a minimum of 2.0 in all Sociology letter-grade courses taken for the major. Associated Requirement: Math 10043 to be taken within the first 9 hours of sociology course work. Any approved field may be selected as a minor.

**Requirements for a Minor in Sociology.** Eighteen semester hours, including SOCI 20213.

**Requirements for Teacher Certification in Sociology.** Twenty-four semester hours, including SOCI 20213, 30383, and 30833.

**Honors Program.** Sociology majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in SOCI 30003 during their junior year and SOCI 40003 during the fall semester of their senior year.

**Honor Society.** The Department sponsors Lambda Chapter of Alpha Kappa Delta, national honor society in sociology.

**Pass/No Credit Option.** Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in Sociology are subject to the pass/no credit policy of their major department.

**CLEP.** The Sociology Department approves the awarding of 3 semester hours of credit for a score of 55 on the CLEP Subject Exam in Introductory Sociology, equivalent to SOCI 20213.

### Courses of Instruction

**SOCI 10433 Freshman Seminar in Sociology.** Topics may vary each time it is offered.

**SOCI 10533 Freshman Seminar in Sociology.** Topics may vary each time it is offered.

**SOCI 20073 American Society in Post World War Age: Part I.** A survey of societal trends, patterns, fads, fashions, issues, and significant events that shaped the American scene and the American people from the end of World II to the end of the 1970s. Topics include the role of television and film in making and reflecting human cultures and subcultures, media reported events such as McCarthyism and Watergate, conflicts such as the Korean and Vietnam wars, and popular cultural "crazes" including the British Invasion, Pop art, and Punk music. Emphasis is based on how human beings created and responded to these events and how they influenced an "American Political and Social Point of View." Available only to those in the Honors Program.

**SOCI 20083 American Society in Post World War Age: Part II.** A survey of societal trends, patterns, fads, fashions, issues, and significant events that shaped the American scene and the American people from the end of the 1970s to the twenty-first century. Topics include the role of television and film in making and reflecting human cultures and subcultures, political correctness, media reported events such as the War on Drugs, Iran-Contra, conflicts such as the Gulf War, and popular cultural "crazes" such as MTV, gam, glitter, and grunge rock, and Reality Based TV. Emphasis is based on how human beings created and responded to these events and how they influenced an "American Political and Social Point of View." Available only to those in the Honors Program.

**SOCI 20213 Introductory Sociology.** Differing patterns of human relationships; application of sociological concepts to the understanding of human behavior.

**SOCI 20223 Social Problems.** Utilizing several sociological perspectives, current societal problems are examined. Emphasis on those problems relating to social disorganization, value conflict and deviance.

**SOCI 30003 Honors Seminar in Sociological Ideas.** Open to honor students with 6 semester hours of sociology and/or permission of the students' adviser and the instructor. A sociological analysis of the interplay of ideological and social factors in the development and decline of social systems and of present trends in world ideologies and societies, with some possible implications for the future.

**SOCI 30213 Applied Sociology.** This course introduces students to the field of applied sociology and prepares students for internships and career placement. Students develop a better understanding of how sociological concepts, theory, methods, and finds are used in practice, especially in settings related to one's own career interest.

**SOCI 30223 Contemporary Topics in Sociology.** Topics of current interest in the discipline of sociology and society. Illustrative topics likely to be offered during the catalog period include: Sociology of Sex Roles, Political Sociology, The Role of Sociologists in Society. (May be repeated for up to 6 semester hours)

**SOCI 30243 Violence in Society.** Prerequisites: SOCI 20213, 20223 or permission of instructor. A survey of the major forms of violence in contemporary society. Examining the extent and distribution of violence and the

sociological, anthropological and psychological theories devised to account for violence.

**SOCI 30303 Marriage and the Family.** The social psychology of courtship, marriage, and family relations; the social significance of the family; its origin and development; the family in transition; its organization and disorganization.

**SOCI 30313 Criminology.** Prerequisite: SOCI 20213, or permission of instructor. An examination of crime in America, with focus on sociological theories of crime causation, treatment, and prevention. (Offered as CRJU or SOCI credit.)

**SOCI 30343 American Minority Groups.** Prerequisite: SOCI 20213, 20223, or permission of instructor. Demographic, institutional, and social psychological aspects of minority group relations, with emphasis on Blacks, Hispanics, and American Indians.

**SOCI 30383 Research Methods in Sociology.** Prerequisite: MATH 10043. An introduction to sociological research procedures, with emphasis on the collection, analysis and interpretation of both quantitative and qualitative data.

**SOCI 30393 Sociology of Corrections.** The examination of correctional agencies and programs, including the social structure of prisons and its impact on the offender, deterrent and treatment effects of correctional practices, probation and parole, and an examination of various experiments in institutional and community based corrections. (Offered as CRJU or SOCI credit.)

**SOCI 30423 Media, Self and Society.** A critical examination of various media, especially print, film and television, from a sociological point of view. An introduction to various theories of mass media and to current research on the effects of mass media on the human self in particular and society as a whole. The media as an agent of socialization, social control, and social discourse. Examination of videotapes of news, entertainment, sports, advertising and special events, interspersed with lectures and discussions.

**SOCI 30463 Popular Culture.** This course examines how groups of people create alternative and novel forms of cultural expressions (popular culture), and how such expressions eventually are filtered through media, either oral, electronic or print. It also considers how the meaning of popular cultural expressions both influence and are influenced by broader and institutionalized societal arrangements.

**SOCI 30483 Death and Dying: Sociological Viewpoints.** An examination of the process of death from a social psychological perspective. Topics will include the dying process as an interactional event, how survivors cope with loss, the life chances of people to live an extended life before dying, and how death serves as a symbol and metaphor for lived experience. The course will also focus on death as it has an impact on survivors and how survivors learn from the experience of another's death.

**SOCI 30523 Self and Society Through Film.** An examination of social psychological theories of the social self and how social selves are represented in various American films from the 1940s to the present. The course will combine lectures on concepts and processes associated with the presentation of the social self in everyday life with passages from films that provide detail about concepts and processes. Film displays will include processes of impression management and characterizations of social types - ranging from violent/impulsive to rational/strategic selves. Further, lectures and film passages will address the various portrayals of human relationships that involve self-display and self-disclosure.

**SOCI 30563 Deviance and Social Control.** Prerequisites: SOCI 20213, 20223 or permission of instructor. Theoretical and empirical literature on deviance and social control, showing how deviation arises from social interaction. Specific attention to forms of deviance including substance abuse, sexual deviance and violent behavior.

**SOCI 30643 Sociology of Aging.** The sociological and social psychological examination of the impact of aging on individuals and on society. Focus is on such dimensions of aging as health status, work and retirement, family and living arrangements in later life, and death and dying. The course is primarily concerned with aging in Western mass society, especially in the U.S.

**SOCI 30683 Sociology of Religion.** Prerequisite: SOCI 20213; SOCI 20223 or permission of instructor. An introduction to understanding the role of religion in society and to sociological methods for the study of religion. The course will introduce theories and research pertaining to types of religious experience, conversion and commitment, denominationalism, secularization and fundamentalism. Class, gender, race and ethnicity will also be addressed as they influence religion in society. (Offered as RELI or SOCI credit.)

**SOCI 30743 Men, Women and Society.** Critical examination of new ideas, data and theories about the roles of men and women in contemporary society. Focus is on a sociological analysis of gender stratification in our society.

**SOCI 30803 Victimology.** An examination of the major aspects of victimology. Topics include the historical role of victims, the nature of victimization in modern America, the victimization experience, legal aspects of victimization, victimization and the political process, solutions to victimization, and the future of victims' rights and victimology. (Offered as CRJU or SOCI credit.)

**SOCI 30833 Sociological Theory.** Prerequisite: SOCI 20213 or permission of instructor. An exploration of the foundations of sociological theory through the works of the classical theorists e.g. Marx, Durkheim, and Weber, assessing the impact of their work on current sociological thinking and practice and on society itself. Attention will be paid to the intellectual heritage of the thinkers, their historical context and their biographical selves.

**SOCI 30903 Law and Society.** An examination of the relationship between legal institutions and social processes. Topics include the nature of law, historical evolution of legal systems, creation and organization of law in modern societies, social functions of law, and the limits of law as an instrument of social control. (Offered as CRJU or SOCI credit.)

**SOCI 40003 Senior Honors Research Paper.** Offered fall only. A supervised research experience culminating in the writing of a research paper typically based on the subject matter studied in SOCI 30003: Honors Seminar in Sociological Ideas. The course is offered on a directed study basis and this must be arranged prior to the semester enrolled.

**SOCI 40373 Social Psychology: Sociological Approaches.** Prerequisite: SOCI 20213, 20223 or permission of

instructor. Contribution of sociologists to theory and research in social psychology, including theory of conformity, reference groups, and symbolic interaction.

**SOCI 40443 Media Images of Drug and Alcohol Abuse.** Prerequisite: SOCI 20213 or 20223 or permission of instructor. A critical examination of how the media responds to and helps create images of a particular social problem drug abuse. An introduction to theories and research pertaining to drug abuse, to policies dealing with drug abuse and abusers, and to distinctions between justifications for the legality of some drugs and the illegality of others. Examination of various media representations (through photographs, slides, videotapes) of drugs, drug taking, drug abusing, and drug celebrating, interspersed with lectures and discussions.

**SOCI 40463 Juvenile Delinquency.** Prerequisite: SOCI 20213, or permission of instructor. An examination of the causes, treatment, and prevention of delinquency, with particular focus on the relationships between juveniles, clinics, and the court, and the philosophical, historical, and traditional foundations of juvenile law. (Offered as CRJU or SOCI credit.)

**SOCI 40523 Health, Illness and Medicine.** Prerequisite: SOCI 20213, 20223, or permission of instructor. Critique of the changing structure and functioning of the institution of medicine in America and the continuing inter- and intra-institutional contention for authority. Focus on current issues, problems, and trends such as litigation, governmental financing and regulation, corporate entry into medical care, sexism in medicine, and alternative medicines and practitioners.

**SOCI 40610 Directed Study in Sociology.** Prerequisite: Permission of instructor. (1-3 semester hours)

**SOCI 40803 Social Inequality.** Prerequisite: SOCI 20213, 20223, or permission of instructor. A survey of the development,

**SOCI 50610 Directed Study in Sociology.** Prerequisite: permission of instructor, and graduate standing. Supervised reading, research and completion of a substantial paper. May be taken for credit ranging from 1-6 semester hours and may be taken more than once.



## Spanish

### [Placement](#)

### [Secondary Teacher Certification](#)

### [Courses of Instruction](#)

#### (SPAN)

**Requirements for the B.A. degree with a major in Spanish.** The Spanish major consists of 30 credits at the level of 30000 and above. Up to 15 of those credits may be taken at an approved study abroad site. Courses taken pass/no credit and courses in which the student earns below a C will not count toward the major.

Students pursuing the Spanish major must take at least three of the following courses:

SPAN 30103 Spanish for Heritage Speakers

SPAN 30203 Intensive Grammar

SPAN 30303 Conversation

SPAN 30503 Composition & Reading

SPAN 40103 Analyzing Literary Texts

One culture course from this list: 30813, 30833, 30843, 30853.

All students majoring in Spanish must take a Senior Seminar. In exceptional cases, with the written permission of the Chair of the Spanish Department, students may substitute two literature classes for the Senior Seminar. Students may take the Senior Seminar beginning the second semester of their junior year. A grade of B or better must be earned in the Senior Seminar in order for the student to graduate with a major in Spanish; with a grade of C, the student may graduate with a minor in Spanish.

**Requirements for a minor in Spanish.** The Spanish minor consists of 18 credits at the level of 20203 and above. Up to 9 of those credits may be taken at an approved study abroad site.

**Pass/No Credit Option.** Students majoring in AddRan College may take up to 9 semester hours of courses on a P/NC basis. No courses applied to a Department's Major or Associated Requirements may be taken on the P/NC basis. Courses applied to the minor may be taken on the P/NC basis. Students minoring in Spanish are subject to the pass/no credit policy of their major department.

#### Placement

Students with academic or life experience in a foreign language are urged to enroll at a level appropriate to their skills. In order to encourage students to enroll in a first course appropriate to their ability, TCU offers the following incentive-based placement policy:

Students whose first language class at TCU is beyond the first semester level may earn additional language credit (if credit has not already been awarded for transfer, CLEP, or AP work) as follows:

- If the first foreign language class is at the second semester level (10203) and a grade of B or higher is earned, as a reward for superior work, three semester hours credit will also be awarded for the first-semester course (10103).
- If the first foreign language class is at the third semester level (20103) and a grade of B or higher is earned, as a reward for superior work, six semester hours credit will also be awarded for the first and second semester courses (10103 and 10203).
- If the first foreign language class is at the fourth semester level (20203) and a grade of B or higher is earned, as a reward for superior work, nine semester hours credit will also be awarded for the first, second and third semester courses (10103, 10203 and 20103).
- If the first foreign language class is beyond the fourth semester level (numbered 30000 or above) and a grade of B or higher is earned, as a reward for superior work, nine semester hours credit will also be awarded for the second, third and fourth semester courses (10203, 20103 and 20203).

If the student takes a foreign language class at a level beyond the first one and earns a C or D, no additional credit will be awarded, but the student will be deemed to have satisfied the foreign language requirement of the UCR consistent with the level of the course passed. For example, if a student's first foreign language class at TCU is at the fourth semester level (20203), and the student earns a C as the final grade, the student will not receive additional credit, but will have satisfied the foreign language requirement at the sophomore level.

To determine proper placement level, students should consult the level descriptions on the department's website or consult with an advisor in the Department of Spanish.

Additional credit may also be earned by means of exams administered by the College Board (AP or CLEP). Please consult the TCU Credit by Exam booklet, available through the Office of Admissions, for details.

Students considering a major in Spanish should bear in mind that 10000 and 20000 level courses do not count toward a major. However, 20000 level courses do count toward a minor. Note: Students entering the program at a certain level may not receive credit for course work taken below that level.

**Credit by AP exam:** AP3, 6 credit hours (10103, 10203); studies begin in 20103 or 20203. AP4, 9 credit hours (10103, 10203, 20103); studies begin in 20063 or above. AP5, 12 credit hours (10103, 10203, 20103, 20203); studies begin in 30433 or above.

**Honors Program.** Spanish majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in SPAN 40623 during the fall semester of their senior year.

**Sigma Delta Pi Honor Society.** The department annually recognizes its outstanding students by inviting them to join Sigma Delta Pi, the national honor society for Spanish scholars.

**Study Abroad.** TCU and the Department of Spanish offer a wide range of opportunities for a summer, semester or academic year abroad through prestigious programs and institutions. Among these opportunities is TCU's sister university, the Universidad de las Americas, located in Puebla, Mexico.

### Secondary Teacher Certification

Students seeking certification for teaching in Spanish and Latin American Studies at the secondary school level should be advised by the departmental secondary certification advisor.

All individuals seeking Texas teaching certification with an elementary specialization (including bilingual education) or secondary teaching field in Spanish must take the TOPT (Texas Oral Proficiency Test). This test must be taken in addition to the ExCet exams required. Candidates who attain the TOPTs passing standard of advanced oral proficiency or higher will be recommended for certification. Candidates who do not meet the TOPTs passing criteria, but who have met all other coursework and certification requirements, may be recommended for a general elementary certificate or a single secondary teaching field.

Students who plan to earn a teaching certificate requiring a passing score in the TOPT must submit a language assessment from the Department of Spanish when applying to the Teacher Education Program of the University.

### Courses of Instruction

**PORT 10103 Portuguese for Beginners.** A beginning course intended for students with no previous knowledge of the language. The skills of comprehension, speaking, reading, and writing are taught at the elementary level, with an emphasis on oral proficiency in everyday situations encountered in Portuguese-speaking countries. No prerequisite. (No credit given to native or heritage speakers.)

**PORT 10203 Portuguese for Beginners 2.** Prerequisite: PORT 10103 or equivalent. Continued study of beginning Portuguese. (No credit given to native or heritage speakers.)

**PORT 20103 Portuguese for Beginners 3.** Prerequisite: PORT 10203 or equivalent. Completion of the beginning-level survey of the Portuguese language. (No credit given to native or heritage speakers.)

**PORT 20203 Intermediate Portuguese.** Prerequisite: PORT 20103 or equivalent. Review, reinforcement, and integration of the skills at the beginning level. This course bridges the beginning level and the next level of intensive study. (No credit given to native speakers; heritage speakers may receive credit with permission of the department.)

**PORT 3000 Portuguese Study Abroad.** Credits, from 1 to 15, taken at an approved study abroad site. Credits accepted only for graded courses taught in Portuguese.

**PORT 30863 Culture of Brazil.** Prerequisite: PORT 20203 or equivalent. A study of the cultural institutions, both historical and contemporary, that distinguish Brazilian society.

**SPAN 10103 Spanish for Beginners.** A beginning course intended for students with no previous knowledge of the language. The skills of comprehension, speaking, reading, and writing are taught at the elementary level, with an emphasis on oral proficiency in everyday situations encountered in Spanish-speaking countries. No prerequisite. (No credit given to native or heritage speakers.)

**SPAN 10203 Spanish for Beginners 2.** Prerequisite: SPAN 10103 or equivalent. Continued study of beginning Spanish. (No credit given to native or heritage speakers.)

**SPAN 10433 Freshman Seminar in Spanish.** Topics may vary each time it is offered.

**SPAN 10533 Freshman Seminar in Spanish.** Topics may vary each time it is offered.

**SPAN 20103 Spanish for Beginners 3.** Prerequisite: SPAN 10203 or equivalent. Completion of the beginning-level survey of the Spanish language. (No credit given to native or heritage speakers.)

**SPAN 20203 Intermediate Spanish.** Prerequisite: SPAN 20103 or equivalent. Review, reinforcement, and integration of the skills at the beginning level. This course bridges the beginning level and the next level of intensive study. (No credit given to native speakers; heritage speakers may receive credit with permission of the department.)

**SPAN 3000 Spanish Study Abroad.** Credits, from 3 to 15, taken at an approved study abroad site. Credits accepted only for graded courses taught in Spanish.

**SPAN 30003 Junior Honors Seminar.** Junior honors seminar.

**SPAN 30103 Spanish for Heritage Speakers.** A comprehensive Spanish course for heritage students with proficiency in spoken Spanish but whose formal education has been in English. The course covers all basic language skills, with emphasis on reading and writing taught through literary and cultural readings, compositions, and exams.

**SPAN 30203 Intensive Grammar.** Prerequisites: SPAN 20203 or equivalent. An intensive review of Spanish grammar with emphasis on practical applications of listening comprehension, speaking, reading, and writing.

**SPAN 30303 Conversation.** Prerequisite: SPAN 20203 or equivalent. Development of oral proficiency skills through intensive practice in a wide variety of common situations and topics. (No credit given to native speakers; heritage speakers may receive credit with permission of the department.)

**SPAN 30503 Composition and Reading.** Prerequisites: SPAN 20203 or equivalent. Intensive practice in both writing and reading skills. Includes directed compositions, applications of effective reading techniques and strategies, and a review of grammar. Not recommended for native speakers of Spanish whose education has been in Spanish.

**SPAN 30603 Spanish for the Workplace.** Prerequisites: SPAN 20203 or the equivalent. The vocabulary, grammar, and culture needed in specific professions. Alternating topics, such as Spanish for Business, Spanish for Health Care, Spanish for School Teachers, Spanish for Criminal Justice, etc. May be repeated for credit, as topic changes; maximum of 6 credits.

**SPAN 30816 TCU in Mexico.** Prerequisites: SPAN 20203 or permission. Two classes of Spanish (language, culture, or literature) in a combination selected in consultation with the supervising professor. Taught on site in Mexico

**SPAN 30826 TCU in Spain.** Prerequisite: SPAN 20203 or by permission. Two classes of Spanish (language, culture, or literature) in a combination selected in consultation with the supervising professor. Taught on site in Spain.

**SPAN 30843 Culture of Spain.** Prerequisite: a 30000-level Spanish language course. A study of the cultural institutions, both historical and contemporary, that distinguish Spanish society.

**SPAN 30853 Culture of Latin America.** Prerequisites: a 30000-level Spanish language course. A study of the cultural institutions, both historical and contemporary, that distinguish the societies of Latin America.

**SPAN 30873 Great Ideas and Events of Spain or Latin America.** The ideas (such as the avant-garde, magical nature, liberation theology, or purity of blood) and events (such as the Spanish Civil War, Islamic Spain, the Conquest of the Americas, or the Spanish-American War) that have changed the outlook of Spanish or Latin American culture. Varying topics. May be repeated for credit, as the topic changes; maximum of 6 credits. May be taught in English or Spanish, depending on the topic.

**SPAN 30903 Seminar on Culture or Language.** Prerequisites: two 30000-level Spanish language classes. Special topics in Hispanic culture or language, such as Religion in Hispanic America, Family in Hispanic America, Dialects of Spanish, or Spanish Pronunciation. May be repeated for credit as the topic changes, up to 6 credits.

**SPAN 40103 Analyzing Literary Texts.** Prerequisites: SPAN 30203 or 30103. Introduction to the techniques of literary analysis, including the learning of analytical vocabulary and concepts, as well as the development of critical thinking skills.

**SPAN 40203 Masterpieces of Spanish Literature.** Prerequisite: SPAN 40103. An introduction to the major works of Spanish literature.

**SPAN 40303 Masterpieces of Latin American Literature.** Prerequisites: SPAN 40103. An introduction to the major works of Latin American literature.

**SPAN 40403 Hispanic Film.** Prerequisite: SPAN 40103. An introduction to major works of Latin American and Spanish film. This course explores the cinematic representations of significant aspects of Hispanic culture while serving as an introduction to film rhetoric, narrative techniques, and terminology.

**SPAN 40503 Many Voices: Seminar.** Prerequisite: SPAN 40103. Special topics in literatures that represent alternatives to the dominant literary currents. Topics may include Hispanic Literature in the US, AfroHispanic Literature, Women Writers, or Contemporary Indigenous Literature. May be repeated for credit as the topic changes, up to 6 credits.

**SPAN 40623 Senior Honors Thesis.** Independent projects in literature or linguistics or cultural studies resulting in a Senior Honors Thesis.

**SPAN 40703 Seminar in Spanish Literature.** Prerequisites: SPAN 40103. Special topics in the literature of Spain such as Moorish Spain, Post-Franco Writers, or Rebels, Lovers, and Madmen. May be repeated for credit as the topic changes, up to 6 credits.

**SPAN 40803 Seminar in Latin American Literature.** Prerequisite: SPAN 40103. Special topics in the literature of Latin America, such as Women Writers, Poetry, Literature of the Mexican Revolution, or Magical Realism.

**SPAN 40970 Directed Research in Spanish.** Prerequisite: permission of department chair. Opportunity for independent study, culminating in a substantial written research project.

**SPAN 40993 Senior Seminar.** Prerequisite: a minimum of two 30000-level Spanish language courses, one course on culture, and two courses on literature. The purpose of this course is to ensure mastery of spoken and written Spanish for students on the verge of graduation. A grade of B or better must be earned in order for the student to graduate with a major in Spanish. With a grade of C, the student may graduate with a minor in Spanish.

**SPAN 50203 Graduate Study in Hispanic Topics.** Special topics in Hispanic literature, culture, language, or pedagogy. May be repeated for credit, up to 9 credits. Taught in Spanish.

# Women's Studies

## Courses of Instruction

### Overview

Available as a minor and as an emphasis on B.A. and B.S. degrees.

The minor and the emphasis in Women's Studies are designed to provide students theoretical frameworks for recovering and analyzing women's experience as part of a larger investigation of gender and difference, and to offer opportunities to study disciplines through these frameworks.

Students seeking the minor will complete 18 hours: two required courses (WOST 20003 and WOST 40003) and a choice of four additional courses from an approved list (see below). In choosing these courses, students will take no more than two courses from any single discipline. Students who minor in Women's Studies must choose whether WOST-approved courses in their major discipline will count toward the major OR the minor. No course may count for both.

Students seeking the emphasis in Women's Studies will complete 15 hours: either WOST 20003 or WOST 40003 and a choice of four additional courses from the approved list. Emphasis students may count WOST-approved courses toward both their major and the emphasis, and may also concentrate their WOST electives in a single discipline. Emphasis students in programs requiring a minor MUST complete a minor in another disciplinary field.

**Pass/No Credit Option.** Students minoring in Women's Studies are subject to the pass/no credit policy of their major department.

### Required Courses:

WOST 20003 Introduction to Women's Studies: Sex, Gender and the Disciplines.  
WOST 40003 Senior Seminar in Women's Studies.

### Elective Courses:

ANTH 30173 Topics in Anthropology: Gender, Health and Equality  
ANTH 30923 Sex, Gender and Ethnicity  
ART 30413 Women and the Visual Arts, 1500-1800  
ART 30423 Sex and Modern Art  
CRJU 30813 Race and Gender Issues  
CRJU 30823 Gender Issues in Crime and Justice  
ENGL 10833 First-Year Writing Seminar: Girls, Women, Citizens (first year students only)  
ENGL 20623 Woman in Literature and Culture  
ENGL 30473 Wilde Years: Oscar Wilde and the 1890s  
ENGL 30493 Women Poets and Poetic Tradition  
ENGL 30613 Women's Lives in Memoir and Fiction  
ENGL 30633 Medieval and Early Modern Women Writers  
ENGL 30683 Post-Colonial Literature  
ENGL 30970 Renaissance Witch Literature  
ENGL 40553 Seminar in Toni Morrison  
ENGL 40970  
HIST 30970 Topical Studies in History: Women in the U.S. Since 1877  
HIST 30970 Topical Studies in History: The Second Sex in the History of Europe  
HIST 40023 Women's History since 1500  
HIST 40033 Witches, Workers and Wives  
JOUR 40970 Special Topics: Women in Media  
MANA 20970 Special Problems in Management: Gender in Business  
NURS 30503 Issues in Women's Health  
POSC 30103 Topics in American Politics: Women in Politics  
POSC 30303 Topics in International Politics: Feminist International Relations Theory  
POSC 30403 Topics in Public Law: Gender & Sexual Orientation in Contemporary Law  
RELI 10533 First-year Seminar: The Bible and Its Women (first-year students only)  
RELI 30143 Love and Sex in the Biblical World  
RELI 30713 Women and Womanhood in Western Religion  
RELI 30843 Latina Feminist Religious Thought  
RELI 30853 Women in American Religion  
RTVF 30983 Women in Film and Television  
SOC 10533 First-year Seminar: Women Around the World (first-year students only)  
SOC 30303 Marriage and Family  
SOC 30743 Men, Women, and Society  
WOST 2003 Introduction to Women's Studies: Sex, Gender and the Disciplines  
WOST 40003 Senior Seminar  
WOST 49000 Local Internship in Women's Studies

*See department listings for descriptions.*

Approved list of courses is maintained in the AddRan College Office, Reed 107.

Students wishing to have more information are urged to contact one of the members of the advisory committee:

Dr. Claudia Camp (Religion)

Dr. Jean Giles-Sims (Sociology)

Dr. Joanne Green (Political Science)

Dr. Linda Hughes (English)

Dr. Rhonda Keen-Payne (Nursing)

Dr. Nadia Lahutsky (Religion)

Dr. Bonnie Melhart (Computer Science)

Ms. Marcy Paul (Women's Resource Center)

Dr. Priscilla Tate (AddRann, Emeritus)

Dr. Karen Steele (English)

Dr. Mary Volcansek (AddRan)

Dr. Melissa Young (Speech Communication)

### **Courses of Instruction**

**WOST 20003 Introduction to Women's Studies: Sex, Gender and the Disciplines.** This course will serve as an interdisciplinary introduction to Women's Studies, focusing on major issues, theories, and selected disciplinary applications, for which the idea of gender will provide the unifying theme. Lectures, discussions, and assignments will encourage students to recover and understand the lived experiences of women by studying concepts of gender difference. Readings will facilitate discussion and understanding of differences in age, class, sexual diversity, race, and ethnicity.

**WOST 40003 Senior Seminar in Women Studies.** This is the capstone course for the Women's Studies Minor, and includes classic readings in feminist theory and an independent project. The student pursues the independent project with the guidance usually of one of the faculty members associated with the Women's Studies Program. Other faculty members may participate as approved. These projects can include either 1) a practicum with goals, progress and final reports, or 2) a theory and research project to be agreed to by the faculty member and student.

**WOST 49003 Internship in Women's Studies.** Internships (usually local in Tarrant County) arranged with the consent of the Director of the Women's Studies Program for declared minors, taken on a strictly Pass/No Credit basis. (3 semester hours).

# Harris College of Nursing & Health Sciences

[Mission](#)

[Degrees and Majors](#)

[Curriculum](#)

## Overview

TCU has a long history of offering courses and degrees that contribute to the health and well-being of the community. The Harris College of Nursing and Health Sciences enhances that tradition by uniting Nursing with the departments of Communication Sciences and Disorders, Kinesiology, and Social Work in an integrated unit. The degree programs offered by the College build on an excellent liberal arts foundation and prepare graduates to practice in complex and varied professional settings. Many of the courses offered in the College allow students to learn through practice in professional and clinical settings encountering multiple and diverse disciplines, practitioners, and clients. In both classroom and practice environments students acquire skills essential to finding information, using technology, and solving problems.

By integrating clinical practice, professional and community service, and research activities, College faculty demonstrate their commitment to academic excellence and leadership. They create an atmosphere where learning is a part of the lives of all members of the College community. Faculty are committed to providing individual attention to students in order for them to achieve and grow. Faculty are actively involved in teaching, working closely with students in laboratory and clinical experiences at both undergraduate and graduate levels. Faculty also serve as academic advisors providing career and professional guidance.

## Mission

The College is dedicated to advancing knowledge and understanding of physical and mental health and development. The College is further committed to integrating research and ethical practice to prepare graduates who promote all aspects of good health and enhance the human condition. Faculty fulfill this mission by offering a dynamic curriculum that is responsive to the local and global communities. Students are prepared for a variety of professional roles, including clinical and generalist practice, teaching, or further study in graduate programs. Faculty provide exemplary education in the context of the highest standards, preparing students to enter careers that will benefit society.

## Degrees and Majors

The Harris College of Nursing and Health Sciences offers the following degrees and majors:

- Bachelor of Science in Nursing (BSN)
- Bachelor of Science in Social Work (BSSW)
- Bachelor of Science (BS) with majors in:
  - Habilitation of the Deaf and Hard of Hearing
  - Speech-Language Pathology
  - Athletic Training
  - Health and Fitness
  - Movement Science
  - Physical Education
  - Psychosocial Kinesiology

## Minors

The Harris College of Nursing and Health Sciences offers the following minors:

- Deaf and Hard of Hearing (COSD)
- Speech-Language Pathology (COSD)
- Health (KINE)
- Movement Science (KINE)
- Physical Education (KINE)
- Social Work (SOWO)

## Curriculum

Students seeking a Bachelor of Science degree must fulfill all University degree requirements described in detail earlier in the Bulletin. This includes completion of the minimum number of credit hours, typically 124, specified by their majors in the following categories:

### I. Core Curriculum (CC) - 39-57 credit hours

A. Essential Competencies - 12 credit hours plus 6 hours Writing Emphasis

B. Human Experiences and Endeavors - 27 credit hours

C. Heritage, Mission, Vision, and Values - 18 credit hours which may overlay with other elements of student's degree requirements

### II. Curriculum Requirements of the Major - variable credit hours

*Pass/No Credit Option*

The department of the major controls approval of P/NC grading options. Departments typically do not allow P/NC grading in courses in the major except in courses specifically graded P/NC.

*Multiple Majors*

Students with a first major in the College may declare an additional major on the B.S. degree. Approval by the department and college of both majors is necessary. The degree awarded will be that of the first major. All degree requirements for each major must be satisfied, including all CC requirements associated with any major.

*Transfer Credit*

Students must receive approval of courses they wish to take at another college or university following their admission to Texas Christian University. Students should gain specific course recommendations from department advisors, then seek approval from the office of the Dean of the College. No more than a total of 12 semester hours, except those earned in an approved study abroad program, may be transferred from other schools. No credit may be transferred from a community college once 54 cumulative semester hours have been earned.

*Degree Plan and Notification of Intent to Graduate*

Students must request a degree plan in the Office of the Dean typically after completing 60 hours. After a degree is awarded, no further work may be applied to the degree. Students must also file an Intent to Graduate in the Office of the Dean at the beginning of the last year of course work.

*Academic Advisement*

Students are responsible for meeting degree requirements of the major. It is essential that students understand their degree plans and maintain communication with their departments. Students are strongly encouraged to meet with a departmental advisor on a regular basis, reviewing progress toward the degree.

**Programs**

Nursing  
Communication Sciences and Disorders  
Kinesiology  
Social Work

## Harris College, Nursing

### [Program Goals](#)

### [Accreditation and Licensure](#)

### [Admission and Enrollment in the Nursing Major](#)

### [Progression Policies in the Nursing Major \(after enrollment in practica\)](#)

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### **(NURS)**

Available on the bachelor of science in nursing (B.S.N.) degree.

### **Overview**

#### **Mission**

Harris College, Nursing endorses the Mission and Vision of Texas Christian University. The mission of Nursing is to prepare professional nurses to identify and respond with competence to multiple, complex human health-care needs. Graduates serve society through professional nursing roles and provide ethical leadership in practice, administration, teaching, and scholarship. The Harris College, Nursing is dedicated to professional nursing education based on a foundation of liberal arts, sciences, and humanities and to the promotion of an environment that encourages lifelong learning. The Harris College, Nursing further affirms a commitment to professional competence and civic and professional responsibilities in a global society. The Nursing program is designed to meet the needs of those interested in obtaining the Bachelor of Science in Nursing degree.

#### **Philosophy**

The faculty of Harris College, Nursing, an academic unit of Texas Christian University, affirms that individuals are holistic beings who possess inherent worth. The faculty believes that the education of the professional nurse should prepare a graduate who exhibits qualities of mind and character that are necessary to live a fulfilling life, act in the public interest locally and globally, and promote health and the nursing profession. The teaching / learning process is multidimensional and interactive, involving affective, cognitive, and psychomotor changes. A liberal educational foundation assists persons to think critically and to seek improvement in themselves, the profession, and society. A liberal education provides the basis for the development of core competencies and knowledge of professional nursing. The faculty embraces the professional values of altruism, autonomy, human dignity, integrity, and social justice. Nursing practice, conduct, and relationships are guided by professional standards and the *ANA Code of Ethics for Nurses*. Sound clinical judgments characterize the practice of the professional nurse in providing safe, humanistic care of individuals, families, and groups in and across diverse environments.

Portions of the above are based on the *Essentials of Baccalaureate Education for Professional Nursing Practice*, published by the American Association of Colleges of Nursing (1998), Washington, DC.

#### **Program Goals**

The program goals of Harris College, Nursing are as follows:

1. Support the University's Mission, Vision, Core Values, and Goals.
2. Prepare graduates who are competent to meet the unique, multiple, and complex human health needs of a global society.
3. Promote values and behaviors that encourage respect for diversity, acknowledge human worth and dignity, and support professional nursing practice.
4. Foster an appreciation for the necessity of learning, thinking critically, and continuing to grow personally and professionally.
5. Contribute to the nursing profession and to society by engaging in scholarship, leadership, and service.

#### **Accreditation and Licensure**

The Harris College, Nursing, enabled by a trust fund established by the late Dr. Charles Houston Harris, was organized as an academic unit of TCU in 1946. The Nursing program is accredited by the Board of Nurse Examiners for the State of Texas (BNE), P. O. Box 430, Austin, TX, 78767-0430, 512-305-7400. Graduates are eligible to sit for the examination for licensure as a registered nurse (R.N.) in Texas or any other state in the United States. Successful completion of the National Council Licensure Examination in one state qualifies graduates to apply for licensure in any other state. Harris College, Nursing first achieved national accreditation in 1952 and has remained accredited since that time. In addition to the BNE, the program is accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC, 20036-1120, 202-887-6791.

In compliance with the policy of the Board of Nurse Examiners for the State of Texas, all applicants are informed that completion of the BSN degree does not guarantee eligibility for the registered nurse licensure examination. Professional character is necessary for an individual to conform to the requirements of the Nurse Practice Act. Individuals should seek special advising prior to enrolling in any professional nursing program in Texas if they have a personal history involving conditions that may endanger the health and safety of a person. Such conditions include but are not limited to: (1) a felony conviction involving acts likely to affect professional practice, (2) a misdemeanor conviction involving moral turpitude, or (3) physical or mental disability/illness, including prior or continued drug or alcohol abuse that influences the ability to practice professional nursing. (Board of Nurse Examiners for the State of Texas, excerpts from the *Rules and Regulations Relating to Professional Nurse Education, Licensure, Peer*



*Assistance and Practice, Texas Administrative Code*, Title 22, Part 11, Chapters 215 and 217). Clinical facilities in the DFW area require criminal background checks and drug screenings of students. A positive drug screen or criminal background may prevent the student from practicum course enrollment or completion. Further licensure information is available in the office of the Director, Harris College, Nursing, TCU Box 298620, Fort Worth, TX 76129. In compliance with the Americans with Disabilities Act (ADA), a description of the abilities required for admission to and completion of the BSN curriculum is available upon request from the Director of Nursing.

### Admission and Enrollment in the Nursing Major

**A. TCU Continuing Students (entered TCU as a freshman; major-nursing).** Continuing TCU nursing majors should file an intent to enroll in first practicum courses by October 1 for the spring semester and February 1 for the fall semester. Forms are available in Harris College, Nursing's administrative office.

**B. Change of Major Students (entered TCU as a freshman; major other than nursing).** A TCU student may change to the nursing major if the student is not on academic warning or probation and has a 2.5 TCU cumulative GPA. It is strongly recommended the change of major be completed as soon as possible, but at least one semester prior to the first semester of nursing practicum courses. Permission to enroll in practicum courses is determined by the availability of clinical placement slots in clinical facilities. The student should file an intent to enroll in first practicum courses by February 1 for the fall semester and October 1 for the spring semester prior to practicum coursework. The student must meet the requirements for graduation based upon the published TCU Bulletin at the time of entry into the major.

**C. Transfer Students (a student who has been out of high school for at least one full semester and has attempted college or university work elsewhere for credit).** Transfer students must apply for admission to TCU and the nursing program. Individuals who plan to apply as transfer students are urged to contact the TCU Admission Office and Harris College, Nursing in order to receive current information. The number of new transfer students admitted to practicum courses each semester is determined by the availability of faculty, facilities, and the number of qualified continuing TCU students. Selection of transfer students for initial entry into practicum courses is based upon indicators of the applicant's likelihood of success in the nursing program and in professional practice.

Deadlines for application for initial entry into practicum courses by transfer students is February 1 for the fall semester and October 1 for spring semester. Nurse Entrance Test (NET) scores are required with the application. Transfer applicants are advised to contact Harris College, Nursing as early as possible in the application process.

Transfer students will not be permitted to pursue a nursing major at TCU if they have been previously enrolled in another nursing program and were not in good standing upon exit or are not admissible to the previous program(s). All transfer student applicants who have been previously enrolled in a nursing program must submit, as part of their application, a letter from the dean or director of that nursing program indicating eligibility status for readmission.

**D. Accelerated BSN Track for Non-Nurse College Graduates.** Harris College, Nursing offers an accelerated BSN track for non-nurses with degrees in other fields. The program features a unique sequence of practicum courses that maximize clinical inquiry and role transition. Partnerships with regional health care systems provide students with a solid grounding in professional nursing practice. The 15-month course of study is full-time. Students begin the program in mid-May and graduate mid-August the next year. Applicants must hold a previous baccalaureate degree and possess a GPA of 3.00 or higher to meet eligibility. Admission is competitive; it is based on academic record, entrance exam scores, and completion of all prerequisite courses and core curriculum (CC). Students must also comply with other admission requirements as listed above. Those interested should contact Harris College, Nursing for admission requirements unique to this program.

### E. Other.

Reenrollment - The student who has been a nursing major and leaves TCU must apply for reenrollment after an absence of a full fall or spring semester. If the student meets enrollment criteria, the Registrar's Office will contact Harris College, Nursing to receive approval for the student to reenroll as a nursing major. The student must meet the requirements for graduation based upon the published TCU Bulletin at the time of reentry into the nursing major. Reentering students may be required to pass comprehensive mastery exam(s). Reenrollment is dependent on clinical space availability in practicum courses.

Additional Bachelor's Degree - A student with a previous undergraduate degree from TCU must meet the same enrollment requirements as other TCU students. A student with a Bachelor's degree from another university is considered a transfer student.

**F. Admission and Enrollment Requirements.** Students must meet the following requirements to enroll in the first practicum semester of nursing course work.

1. the following prerequisite courses must be completed with a grade of "C" or higher before entering the first practicum nursing courses

Anatomy & Physiology I (BIOL 20204 / Lab)	4
Anatomy & Physiology II (BIOL 20214 / Lab)	4
Microbiology (BIOL 20233 / Lab)	3
Lifespan Growth and Development (NURS 10303)	3
Introductory Psychology (PSY 10213)	3
Introductory Sociology (SOC 20213)	3
Math - Elementary Statistics (MATH 10043)	3
Nutrition (NTDT 20403)	3

2. enrollment in all nursing courses limited to the nursing major requires at least a 2.5 TCU cumulative GPA. Students who are repeatedly unable to achieve or maintain a 2.5 GPA prior to enrollment in practicum courses may be discontinued from the major
3. current cardiopulmonary resuscitation (CPR) for healthcare providers card
4. documentation of required immunizations (contact Harris College, Nursing for list)
5. no more than 18 credit hours of (CC) that have not been completed

6. completion of Nurse Entrance Test (contact Harris College, Nursing to schedule - transfer student must submit scores with application; continuing TCU students will complete in NURS 10043)
7. documentation of health insurance
8. drug screen and criminal background check as required by health care agencies

### **Progression Policies in the Nursing Major (after enrollment in practica)**

Students must have a TCU cumulative of 2.5 GPA to progress to the next semester of practicum coursework.

Students may repeat one nursing course if less than a "C" or a "No Credit" (NC) grade is earned.

Students are discontinued from the major if grades of "D", "F", or "NC" are earned in two or more nursing courses (excluding NURS 10303 Human Development, NURS 10043 Survey of Professional Nursing, and NURS 20033 Teaching Strategies for Professional Practice).

Students may be discontinued from the nursing major when their academic, practicum, or personal performance is determined to be inconsistent with professional responsibility and accountability. In rare instances, the safety of patients may necessitate removal of a student from practicum and/or the nursing program. Faculty members are responsible for recommending this action to the Director of Nursing when indicated.

As a minimum requirement for participating in a practicum, students' performance must be in compliance with the Nursing Scope and Standards of Practice published by the ANA and the Texas Board of Nurse Examiners's Rules and Regulations including ". . . not accepting an assignment when one's physical or emotional condition prevents the safe and effective delivery of care . . .". When in the opinion of the instructor a student is not prepared for the educational activity or is in violation of these rules for any reason, including but not limited to, impairment by reasons of alcohol and/or drug abuse, the student is dismissed from practicum for the day by the instructor. The instructor may recommend further action to the Director.

**Requirements for Graduation.** For the Bachelor of Science in Nursing degree a student must have:

A 2.0 cumulative GPA for all coursework completed at TCU.

Completed 124 credits including: all nursing courses required for the major with grades of "C" or higher or "Pass".

Completed all CC.

**Multiple Majors.** Nursing students may, with prior approval of appropriate academic deans, pursue an additional major concurrent with nursing. Such students must declare nursing as the first major and complete all degree requirements for both nursing and the additional major. Students interested in this option are encouraged to meet with advisers from both majors as soon as possible to develop an academic plan.

### **General Information**

**Finances.** Students enrolled in Nursing are responsible for the related fees. Each practicum course carries a laboratory fee. Fees are charged for standardized achievement tests per semester. All students planning licensure as a registered nurse in the state of Texas are required to submit the required fee directly to the Board of Nurse Examiners and to the national company who administers the test during the last semester of nursing coursework. Purchase of uniforms is required. Professional liability insurance is required each year the student is enrolled in practicum coursework, generally. Students are responsible for the cost of the urine drug screen and the criminal background check.

**Transportation.** Limited city bus service is available for transportation to some practicum facilities. Plans should be made for the use of a car beginning with the first practicum nursing course.

**Nursing Scholarships and Grants-in-Aid.** A variety of scholarships and grants-in-aid are available to high school graduates and to students who have completed one or more years of college work. In addition, loans and tuition reimbursement are available from some area hospitals. Applications are made through the Director of Financial Aid, who can provide further information upon request.

**Employment.** Students may be employed on or off campus as opportunities are available and the course load and schedule permits. Work schedules should allow sufficient time for study. Because nursing is a demanding academic major, students are cautioned to carefully balance the number of work hours with the nursing course requirements. Students employed in clinical agencies may not wear the name tag or Harris patch during such employment. Students who are employed in a clinical setting must not sign their names as nursing students.

**The Nursing Student Association.** This organizational branch of the Texas Nursing Students' Association and the National Student Nurses' Association provides students opportunities to participate in local, state, and national affairs. These organizations are concerned with the role of the nursing student, the role of the nurse in the community and the future of nursing. Meetings are held throughout the semester and regional meetings can be attended each semester. Participation is strongly encouraged.

**Harris Associates.** A group of select nursing students assist in promoting Harris College, Nursing through various leadership activities. Students at all levels of the nursing program are recommended by the Harris College, Nursing faculty and administration to serve.

**Learning Center.** A Learning Center in the Annie Richardson Bass Building is available to nursing students to enhance independent learning and to provide access to computers, audiovisual materials, and a practice lab for mastering clinical skills. In the Learning Center, the student will become an active participant in an environment that facilitates both individual and small group learning situations. Computer assisted instruction and practical learning experiences enhance the students' knowledge gained through the classroom lecture component of the program. Students are required to use the labs for practice and demonstration of nursing skills.

**Testing Program.** Students are required throughout the program to sit for standardized achievement tests. Results of these tests provide a basis for review of individual student achievement as well as program effectiveness.

**Sigma Theta Tau International.** Since 1970, the Beta Alpha Chapter of the International Honor Society for Nursing, Sigma Theta Tau, has selected members from Harris College, Nursing student body on the basis of academic merit. Qualified students are invited to join during their junior or senior years.

**Honors Program.** Nursing majors who plan to pursue Departmental Honors must be members of the University Honors Program and are advised carefully for such achievement. Harris College, Nursing supports and encourages participation in the Honors Program.

### The Bachelor of Science in Nursing Degree

**Curriculum Plan.** Harris College, Nursing has an innovative curriculum designed to prepare graduates to work in a wide variety of agencies, clinics, home care agencies, and other community-based facilities in addition to hospitals and extended care facilities. Emphasis in classrooms and patient care settings is on the development of critical thinking, logical reasoning, and decision-making. Students are expected to assume considerable responsibility for their own learning. They are expected to become increasingly independent in the exercise of clinical judgment and in application of nursing process to a variety of nursing problems and situations.

Nursing courses constitute approximately one-half of the four-year program. The sequence of nursing courses provides learning experiences in all major practice areas and in a variety of institutions and agencies in and around Fort Worth and Tarrant County.

### Typical Schedule

Schedules for TCU Core Curriculum courses may vary for individual students.

*All of the nursing courses listed below in addition to all courses designated with # must be completed with grades of C or above.*

### FRESHMAN YEAR

#### Semester 1

BIOL 20204 (Human Anatomy & Physiology)	4
ENGL 10803 (Introduction to Composition)	3
Humanities	3
PSYC 10213 (General Psychology)	3
NURS 10043 (Survey of Professional Nursing)	3
Total hours	16

#### Semester 2

BIOL 20214 (Human Anatomy & Physiology)	4
NTDT 20403 (Nutrition)	3
Religious Traditions	3
SOCI 20213 (Introductory Sociology)	3
NURS 10303 (Human Development)	3
Total hours	16

### SOPHOMORE YEAR

#### Semester 1

BIOL 20233 (Microbiology)	3
ENGL 20803 (Intermediate Composition)	3
Historical Traditions	3
MATH 10043 (Elementary Statistics) <sup>1</sup>	3
NURS 20033 (Teaching Strategies)	3
Total hours	15

#### Semester 2

NURS 20163 (Pharmacology)	3
NURS 20224 (Fundamentals and Assessment: Concepts)	4
NURS 20284 (Fundamentals and Assessment: Practicum)	4
Free elective	3
Elective#	3
Total hours	17

# Choice of elective will depend upon other choices made within the HMVV and HEE

### JUNIOR YEAR\*\*\*

#### Semester 1

NURS 30714 (Adult Nursing I: Concepts)	4
NURS 30783 (Adult Nursing I: Practicum)	3
NURS 30813 (Psychiatric-Mental Health Nursing: Concepts)	3
NURS 30882 (Psychiatric-Mental Health Nursing: Practicum)	2
Humanities elective	3
Total hours	15

Semester 2

NURS 30313 (Maternity Nursing: Concepts)	3
NURS 30382 (Maternity Nursing: Practicum)	2
NURS 30413 (Pediatric Nursing: Concepts)	3
NURS 30482 (Pediatric Nursing: Practicum)	2
NURS 30632 (Gerontological Nursing)	2
Fine Arts elective	3
Total hours	15

**SENIOR YEAR**Semester 1

NURS 40053 (Critical Inquiry into Health Care Delivery)	3
NURS 40114 (Adult Nursing II: Concepts)	4
NURS 40183 (Adult Nursing II: Practicum)	3
NURS 40632 (Nursing Research and Theory)	2
Literary Traditions elective	3
Total hours	15

Semester 2

NURS 40813 (Community Health Nursing: Concepts)	3
NURS 40882 (Community Health Nursing: Practicum)	2
NURS 40913 (Role Development and Nursing Management: Concepts)	3
NURS 40984 (Role Development and Nursing Management: Practicum)	4
Humanities elective	3
Total hours	15
GRAND TOTAL HOURS	124

\*\*\* Summer work in non-nursing courses is recommended prior to junior year

<sup>1</sup> MATH 10043 is a prerequisite to NURS 40632

**Courses of Instruction**

**NURS 10043 Survey of Professional Nursing.** Open to all majors. Exploration of key factors influencing development and practice of professional nursing. Emphasis on culture, ethics, values, and history as context of health care and professional practice. Includes legal foundations of practice, essential knowledge, behaviors, and skills of professional nursing.

**NURS 10111 Drugs and the Consumer.** Open to all majors. Presentation and discussion of the major classes of both prescription and over the counter drugs in terms of use, safety, drug-drug, and drug-food interactions with emphasis on the role of the informed consumer. Students will be provided with the necessary tools to safely and intelligently evaluate drugs and to make an informed choice regarding their use.

**NURS 10121 Healthy Lifestyles.** Open to all majors. An introduction to health concepts and applications to daily life. Special emphasis placed on stress management, diet and exercise, sexual practices, and safety.

**NURS 10131 HIV/Aids Facts and Issues.** Open to all majors. Provides an understanding of Human Immunodeficiency Virus/Acquired Immune Deficiency Syndrome with a focus on prevention of this disease as well as related infections. A description of HIV and classification as well as epidemiology and related societal events will be discussed.

**NURS 10303 Human Development.** Open to all majors. Prerequisite: a C or better in PSYC 10213. Introduces the student to principles of growth and development throughout life cycle from conception to death. Provides an overview of the major theories of human development.

**NURS 10433 Freshman Seminar in Nursing.** Topics may vary each time it is offered.

**NURS 20033 Teaching Strategies for Professional Practice.** Open to all majors. Prerequisite: NURS 10303 or concurrent with permission from the instructor. Introduces theoretical framework for health education and change. Describes the health teaching/learning system and provides opportunity for practical application in multiple settings.

**NURS 20163 Introduction to Pharmacology.** Prerequisite or concurrent: NURS 10043; concurrent: NURS 20224, 20284. Introduction to pharmacodynamics and pharmacokinetics. Includes basic terminology and mathematical calculations used in medication administration and the study of specified classifications of medications, their actions, side effects, adverse actions, nursing implications and drug administration. Three semester hours: two hours lecture, three hours laboratory.

**NURS 20224 Fundamental Nursing and Health Assessment: Concepts.** Prerequisites: BIOL 20204, 20214, 20233, NURS 10303, NTDT 10403; concurrent: NURS 20284; prerequisite or concurrent: NURS 10043. Principles of health assessment, health promotion and nursing process in the care of adult and older adult clients are addressed. Assessment of the integumentary, musculoskeletal, cardiovascular, respiratory, gastrointestinal, genitourinary, visual, auditory and neurologic systems is covered. Application of health promotion is emphasized.

**NURS 20231 Special Problems in Nursing.** Supervised study for students who transfer into Nursing or for students who exhibit special needs during the freshman or sophomore years.

**NURS 20232 Special Problems in Nursing.** Supervised study for students who transfer into Nursing or for students who exhibit special needs during the freshman or sophomore years.

**NURS 20284 Fundamental Nursing and Health Assessment: Practicum.** Concurrent: NURS 20224, 20163; concurrent or prerequisite: NURS 10043. Acquisition and application of health assessment, health promotion,

fundamental nursing skills and the nursing process in the care adult clients.

**NURS 30002 Junior Honors Seminar.** Prerequisite: Junior status. Students with GPA of 3.4 or above will be invited to enroll. Seminar related to contemporary issues related to health practices and behaviors relevant to professional nursing. Research studies emphasized.

**NURS 30063 Global Perspectives in Health.** The course examines selected cultures in an international setting. Social and scientific factors are related to health beliefs and practices and health care delivery systems of the country visited and examined. Critical analysis of selected topics will be accomplished. Open to all majors. Usually taught in summer abroad program.

**NURS 30313 Maternity and Women's Health Nursing: Concepts.** Prerequisites or concurrent: NURS 30714, 30783, 30813, 30882; concurrent: NURS 30382. Nursing process and theories will be examined and applied to childbearing-age clients. Selected women's health issues will also be examined. The role of nursing in the promotion, maintenance and restoration of health by cooperative relationships with these individuals and groups will be emphasized. Scientific challenges, legal issues, research findings, socio-cultural differences and implications, and ethical issues important to nursing practice in the field of maternity/women's health will be examined using a variety of teaching and learning strategies.

**NURS 30330 Directed Study in Nursing.** Variable credit, 1-3 hours. Prerequisites: Faculty permission required; junior standing. Directed readings or projects in nursing requiring independent or small group study in consultation with a faculty.

**NURS 30331 Dosage Calculations for Nurses.** Prerequisite: NURS 30163 and permission of instructor. A one-semester hour course of supervised study for students who exhibit special needs during the junior or senior year in dosage calculation. Offers instruction to the student who needs continued guided learning and practice in the calculation of dosages and solutions. The student will concentrate on the performance of the necessary math skills for calculation, the importance of accuracy and application to specific kinds of nursing situations. This course is taught as a module during the first 6 weeks of the semester. Course completion can range up to 6 weeks depending on concurrent practicum course enrollment and expectations.

**NURS 30382 Maternity Nursing: Practicum.** Prerequisites: NURS 30714, 30783, 30813, 30883; concurrent: NURS 30313. Application of the nursing process to assist in health restoration of high risk childbearing women and their families. Emphasis will be placed on case management of families, collaboration with the health care delivery team and families, and a systems approach to the delivery of care.

**NURS 30413 Pediatric Nursing: Concepts.** Prerequisites: NURS 30714, 30783, 30813, 30882; concurrent: NURS 30482. The nursing process will be applied to children experiencing acute and chronic disruptions to their health. The role of nursing in the restoration of health by cooperative relationships with the child and family will be emphasized. Legal, research, socio cultural, and ethical implications of nursing practice will also be considered.

**NURS 30482 Pediatric Nursing: Practicum.** Prerequisites: NURS 30714, 30783, 30813; concurrent: NURS 30413. Application of the nursing process to assist in health restoration of children experiencing chronic and acute disruptions to health. Emphasis will be placed on collaboration with the family and the health care delivery team and the family, and a systems approach to the delivery of care.

**NURS 30503 Issues in Women's Health.** Open to all majors. Prerequisite: Junior status or permission of instructor. An overview of women's health issues using various social frameworks for analysis. Emphases include prevention, self-care, and social parameters of issues related to reproduction, aging, stress, and roles.

**NURS 30543 Family Health Nursing.** Provides an introduction to family systems theory, family dynamics and their application to practice in nursing and allied health disciplines. Emphasis is on family assessment. Family diversity, families with a chronically ill or disabled member and informal caregiving are examined. Students will critically evaluate family health practices, including hospice, home-based care, and families in crisis. (Offered for NURS or SOWO credit.)

**NURS 30632 Gerontological Nursing.** Prerequisites: NURS 20033, 30813, 30882, 30783, 30714; concurrent: NURS 30313, 30382, 30413, 30482. Issues relating to an aging population such as demographics, ageism, attitudes, and intergenerational concerns. Focuses on healthy aging as well as the specialized needs and nursing care of older persons based on the common physical and psychosocial changes that occur during the aging process. The impact of selected physical and mental health conditions is discussed. Includes observational experiences with older persons in a variety of community settings.

**NURS 30714 Adult Nursing I: Concepts.** Prerequisites: NURS 20163, 20224, 20284; concurrent: NURS 30783, prerequisite or concurrent: NURS 20033. Application of nursing process and theories to the health restoration of clients and families experiencing acute disruptions of selected body systems. Concepts of pathophysiology, pharmacology, and nutrition are integrated.

**NURS 30783 Adult Nursing I: Practicum.** Prerequisites: NURS 20163, 20224, 20284; concurrent: NURS 30714; Concurrent or prerequisite: NURS 20033. Students use nursing process, theories, and research findings in caring for adult clients and families with acute disruptions of selected body systems.

**NURS 30813 Psychiatric-Mental Health Nursing: Concepts.** Prerequisites: NURS 20224, 20284, 20163; Concurrent: NURS 30882; prerequisite or concurrent: NURS 20033. Concepts and principles of individual, family, group and community systems experiencing psychopathology will be explored. Discussion of mental health alterations and the human responses evoked from those alterations will be introduced. The use of nursing strategies and actions in the promotion of mental health will be emphasized.

**NURS 30882 Psychiatric-Mental Health Nursing: Practicum.** Prerequisite: NURS 20224, 20284, 20163; Concurrent: NURS 30813; prerequisite or concurrent: NURS 20033. Application of the nursing process with individuals, families, and groups experiencing psychosocial alteration or pathology.

**NURS 37043 Survey of Professional Nursing for Registered Nurses.** Prerequisite: Admission to ADN-MSN program. Exploration of key factors influencing development and practice of professional nursing. Emphasis on culture, ethics, values, and history as context of health care and professional practice. Includes legal foundations of practice and essential knowledge and competencies of professional nursing. The role of the nurse as a patient educator is stressed.

**NURS 39113 The Discipline and Practice of Professional Nursing.** Prerequisites: Admission to Accelerated BSN Track; NURS 20163; concurrent: NURS 39123, 39184. Examines humanitarian aims and scientific principles that underpin professional nursing. Explores nursing phenomena in relation to complex adaptive systems theories. Nursing philosophy and praxis are compared with other ways of knowing and being-in-the-world. Emphasizes formal health care delivery systems, professionalism, legal issues, ethics, cultural competence, teaching strategies, and health promotion.

**NURS 39123 Nursing Fundamentals.** Prerequisites: Admission to Accelerated BSN Track; NURS 20163; concurrent: NURS 39113, 39184. Examines the science fundamental to professional nursing. Health assessment and the nursing process in care of adult clients are explored using a human needs framework. Assessment of the cardiopulmonary, gastrointestinal, genitourinary, integumentary, musculoskeletal, and neurosensory systems is emphasized. Psychosocial integrity, human sexuality, and spirituality are considered. Highlights the professional nurse's role as an effective communicator.

**NURS 39184 Reflective Practice and Clinical Inquiry I.** Prerequisites: Admission to Accelerated BSN Track; NURS 20163; Concurrent: NURS 39116. Combines dialogical reflection and clinical practice opportunities in health promotion and assessment. Human responses to disease and disability are examined. Includes acquisition and application of nursing arts. Explores the professional nurse's responsibilities in medication administration. Provides a solid foundation in the values, knowledge, and skills requisite to professional nursing.

**NURS 39285 Reflective Practice and Clinical Inquiry II.** Prerequisites: NURS 39116, 39184; concurrent: NURS 30714, 30813, 40312, 40632. Combines dialogical reflection and clinical practice opportunities in nursing care of individuals and families responding to episodic crises, life transitions, or disabling conditions. Acute and chronic models of illness are applied. Explores personal and societal impact of medicalizing normal developmental processes, such as birth and death. Family guidance and teaching receive emphasis.

**NURS 40003 Senior Honors Project.** Prerequisites: Completion of junior honors seminar; grade point average 3.4. Scholarly project is required involving an area of nursing for in-depth investigations.

**NURS 40053 Critical Inquiry into Health Care Delivery.** Prerequisite or concurrent: ENGL 10803, 20803. Open to all majors with Senior status or with permission of the instructor. Focuses on society, values, rights, and responsibilities of individuals and groups within the health care delivery systems of the United States and selected countries. The role of the health care provider in influencing public policy related to health care is included. Students analyze the economic, human, and physical resources necessary and available for health care.

**NURS 40113 Ethical Dilemmas in Health Care.** Open to all majors. Prerequisites: SOCI 20213, 20233, or permission of instructor; junior standing. Provides the student an opportunity to explore ethical problems related to health care.

**NURS 40114 Adult Nursing II: Concepts.** Prerequisites: NURS 30714, 30783, 30813, 30882; prerequisite or concurrent: NURS 30632, 30313, 30382, 30413, 30483; concurrent: NURS 40183. Application of nursing concepts and nursing process to adult clients and families who are experiencing complex acute or chronic disruptions of selected body systems. Concepts of related to chronic and terminal illness, rehabilitation and quality of life issues will be examined. Concepts of pathophysiology, pharmacology, and nutrition are integrated.

**NURS 40183 Adult Nursing II: Practicum.** Prerequisites: NURS 30714, 30783, 30813, 30882; prerequisite or concurrent: NURS 30632, 30313, 30382, 30413, 30482; concurrent: NURS 40114. Students use the nursing process, nursing concepts and research-based nursing interventions in caring for adult clients with complex acute, chronic, or terminal disruptions of selected body systems and their families. Students work with interdisciplinary teams in providing acute and chronic care. Students will have experiences in critical, chronic care, and at a hospice or home health agency.

**NURS 40543 Critical Aspects of Pediatric Nursing.** Nursing elective. Fifteen class hours and 90 practicum hours. Prerequisites: NURS 40213, 40283, 40713, 40783. Designed to allow the student optimum opportunity for in-depth exploration of aspects of pediatric nursing of particular individual interest to the student.

**NURS 40632 Research and Theory in Nursing Practice.** Prerequisite: MATH 10043; NURS 20224, 20284. The use of theory and research in the construction of a scientific knowledge base for nursing practice will be discussed. Research as a process for developing and examining clinically-based nursing questions will be examined. The importance of evidence-based practice will be emphasized.

**NURS 40813 Community Health Nursing: Concepts.** Prerequisites: NURS 30053, 40114, 40183, 40312, 40382, 40412, 40482; Concurrent: NURS 40882. The concept of community/aggregate as client is examined. Methods of community/aggregate assessment, diagnoses, planning, implementation, and evaluation are analyzed. Roles in Community Health Nursing are explored. Nursing's role in meeting the health care needs of a total population is examined. Systems theory, epidemiology, levels of prevention, and the nation's objectives for health are analyzed.

**NURS 40882 Community Health Nursing: Practicum.** Prerequisite: NURS 30053, 40114, 40183, 40382, 40412, 40482; Concurrent: NURS 40813. The nursing process is applied to community/aggregate as Client. Communities/aggregates are assessed, community/aggregate diagnoses are identified, macro-level interventions planned, implemented, and evaluated. Systems theory, epidemiology, levels of prevention, and the nation's objectives for health are discussed.

**NURS 40913 Role Development and Nursing Management: Concepts.** Prerequisites: NURS 30313 (40312), 30382 (40382), 30413 (40412), 30482 (40482), 40053 (30053), 40114, 40183, 40632; concurrent: NURS 40984; prerequisite or concurrent: NURS 40813, 40882. Theories and principles of leadership and management, which provide the foundation for management of self, health care providers, multiple clients and the profession in the delivery of health care are introduced. Career paths, job seeking skills and professional responsibilities are explored. The Texas Nurse Practice Act and ANA Standards of Practice are analyzed in depth. Management roles within various health care settings are reviewed within the context of selected theories and research publications.

**NURS 40984 Role Development and Nursing Management: Practicum.** Prerequisites: NURS 30313 (40312), 30413 (40382), 30382 (40412), 30482 (40482), 40053 (30053), 40114, 40183, 40632; concurrent: NURS 40913; prerequisite or concurrent: NURS 40882, 40813. Students assume professional roles that require

application of leadership principles and management skills for the provision of care to a group of clients and the management of a group of health care providers in a variety of clinical settings.

**NURS 49385 Reflective Practice and Clinical Inquiry III.** Prerequisites: NURS 30313, 30714, 30813, 39285, 40312, 40632; concurrent: NURS 30413, 30632, 40114, and 40813. Combines dialogical reflection and clinical practice opportunities in nursing care of adults and children with complex health alterations. Dynamic interaction between human development across the lifespan and advanced biomedical and information technologies is addressed. Explores continuum of care among client aggregates. Partnerships with selected communities promote and maintain public health.

**NURS 49488 Professional Residency.** Prerequisites: NURS 30413, 30632, 40114, 40813, 40913, 49385; concurrent: NURS 40913 or elective. Provides intensive opportunities for reflective practice highlighting students' clinical strengths and professional interests. Rotation through selected service areas diversifies experiential learning and grounds students in clinical practice. Application of leadership principles and management theories enhances role transition. Controversies in contemporary nursing practice are examined.

**NURS 50003 Advanced Pathophysiology.** Prerequisites: Admission to Graduate Program or permission of instructor. Provides an understanding of advanced knowledge base of pathophysiologic processes underlying human illness. Content includes systems approach to pathophysiologic processes associated with altered health states in adults and children.

**NURS 50013 Advanced Health Assessment.** Prerequisites: Admission to Graduate Program or permission of instructor. This course focuses on developing comprehensive health assessment knowledge and skill required for advanced practice nursing practice across the life span. Diagnostic and inferential skills are emphasized through systematic approaches. The course includes didactic and practicum experiences.

**NURS 50022 Advanced Practice Roles.** Prerequisites: Admission to Graduate Program. Provides a foundation for transition to the role of the nurse in advanced practice. Includes roles within advanced practice, theories of change, concepts of negotiation, collaboration, interdependence, advocacy and autonomy, and titling, certification and licensure issues. Clinical nurse specialist role is extensively examined.

**NURS 50053 Advanced Pharmacotherapeutics.** Prerequisites: Admission to Graduate Program or permission of instructor. Emphasizes pharmacological principles fundamental to the selection of pharmacologic agents in altered health states in adults across the lifespan. Includes the pharmacodynamic, pharmacokinetic and pharmacotherapeutic properties of drug categories and specific agents, clinical responses to the use of pharmacologic agents, efficacy and cost-effectiveness issues, client education, and adherence.

## Communication Sciences and Disorders

[B.S. in Habilitation of the Deaf and Hard of Hearing](#)

[B.S. Degree with a Major in Speech-Language Pathology](#)

[Requirements for a Minor in Communication Disorders](#)

[Honors Program](#)

[Courses of Instruction](#)

### (COSD)

Available on the B.S. degree with a major in Speech-Language Pathology or Habilitation of the Deaf and Hard of Hearing (DHH).

#### **B.S. in Habilitation of the Deaf and Hard of Hearing**

A total of 124 semester hours is required: Core Curriculum (CC)- 39 to 63 semester hours; Habilitation of the DHH- 39 semester hours; School of Education- 35 semester hours (includes student teaching); Associated Requirements- 11 semester hours (9 within the major). In addition to the academic credit distribution, students must meet the following requirements:

1. No COSD course in which the student receives a "D" may be counted toward the major or as a prerequisite for subsequent courses.
2. Complete 75 hours of clinical practice, at least 2 semesters of COSD 40340 and 1 semester of COSD 40350.
3. TCU cumulative grade point average of at least 2.5 and a 2.5 grade point average in COSD courses before enrolling in COSD 40340.
4. Students must be recommended for enrollment in COSD 40350 by COSD faculty. Recommendation is based on fulfillment of expectations specified in the clinic handbook and on:
  - A. Performance in COSD coursework,
  - B. Previous clinical experience and performance, and
  - C. Fluency in sign language as judged by course instructor.

5. Students must be successfully admitted into the School of Education

**Pass/No Credit Option:** No courses in the major or associated areas may be taken on a Pass/No Credit basis. Other courses taken on a Pass/No Credit basis will be limited to a maximum of nine credit hours.

#### **Suggested Courses for the Freshman Year**

##### Semester hours

##### *FALL*

Math	3
Written Communication	3
Natural Science	3
History	3
Humanities	3
<i>Total</i>	<i>15</i>

##### *SPRING*

Natural Science	3
Fine Arts	3
History	3
Political Science	3
Oral Communication	3
Humanities	3
<i>Total</i>	<i>18</i>

#### **B.S. Degree with a Major in Speech-Language Pathology**

A total of 124 semester hours is required: TCU Core Curriculum- 39 to 63 semester hours; Speech-Language Pathology- 33 semester hours; Psychology/Approved Electives- 9 semester hours; Supporting Areas- 9 semester hours; Electives- 16 to 34 semester hours. In addition to the academic credit distribution, students must meet the following requirements:

1. No COSD course in which the student receives a "D" may be counted toward the major or as a prerequisite for subsequent courses.
2. Complete at least 25 hours of supervised clinical observation prior to enrolling in COSD 40300.
3. Complete 50 hours of clinical practice, at least 1 semester of COSD 40300 and 2 semesters of COSD 50300.



4. TCU cumulative grade point average of at least 2.5, a 2.5 grade point average in COSD courses, and a grade of "C" or above in all COSD course work before enrolling in COSD 40300 and 50300.

5. Students must be recommended for enrollment in COSD 50300 and COSD 50350 by COSD faculty. Recommendation is based on fulfillment of expectations specified in the clinic handbook and on:

- A. Performance in COSD coursework and
- B. Previous clinical experience and performance.

**Pass/No Credit Option:** No courses in the major or associated areas may be taken on a Pass/No Credit basis. Other courses taken on a Pass/No Credit basis will be limited to a maximum of nine credit hours.

*(NOTE: This should be viewed as a preprofessional degree. Students selecting this major will need to continue studies at the graduate level in order to meet standards for licensure as a speech-language pathologist and for certification by the American Speech-Language-Hearing Association (ASHA). The graduate program in Speech-Language Pathology at TCU is accredited by the Council on Academic Accreditation of ASHA. Admission to the program is competitive and based on applicant qualifications.)*

### Suggested Courses for the Freshman Year

semester hours

#### FALL

COSD 10303	3
Written Communication	3
Natural Science	3
Social Science	3
Humanities	3
<i>Total</i>	<i>15</i>

#### SPRING

COSD 10343	3
Natural Science	3
Social Science	3
Humanities	3
Fine Arts	3
Psychology	3
<i>Total</i>	<i>15</i>

### Requirements for a Minor in Communication Disorders

A minor requires 18 hours and may include an emphasis in habilitation of the Deaf and/or speech-language pathology. This minor requires COSD 10303 and 10343 plus 12 additional hours approved by a COSD faculty adviser. A minimum of six hours must be at the 30000 level or above. No COSD course in which the student receives a "D" may count toward the minor or as a prerequisite for subsequent courses.

### Honors Program

Communication Sciences and Disorders majors who plan to pursue Departmental Honors must be members of the University Honors Program and should enroll in COSD 30003 during their junior year and COSD 40003 during their senior year.

### Courses of Instruction

**COSD 10303 Survey of Communication Disorders.** Survey of disorders of articulation, language, stuttering, voice and hearing.

**COSD 10343 Basic Sign Language.** An introductory course in signing expressively and understanding basic sign language, receptively. Included is basic information on hearing loss and its effects on children and adults. Recommended for students majoring in special education and service-oriented fields.

**COSD 20303 Speech and Hearing Science.** An introduction to acoustic and physiological aspects of the speech and hearing mechanisms.

**COSD 20313 Voice and Articulation Improvement.** Practical application of techniques for articulation, pronunciation, and efficient voice production for effective speech. Emphasis on acceptable standards of speech for students preparing for professional careers.

**COSD 20323 Clinical Methods in Speech-Language Pathology.** Prerequisite: COSD 10303, 20333, and 30333, or permission of instructor. Principles and procedures in the assessment and treatment of communication disorders.

**COSD 20333 Phonetics.** Required of all majors and elective to others. Emphasis on speech perception and sound discrimination. Intensive work in transcription using the International Phonetic Alphabet.

**COSD 20343 Intermediate Sign Language.** Prerequisite: COSD 10343 or permission of instructor. Further development and refinement of receptive and expressive skills in Signed English and American Sign Language. Emphasis on vocabulary development for classroom use, ability to sign fluently, and the psycho-social aspects of deafness, including the sociolinguistics of sign language.

**COSD 30003 Junior Honors Seminar.** Prerequisite: Junior standing and membership in the Honors Program.

Under the guidance and supervision of a faculty member, current issues in communication sciences and disorders are explored.

**COSD 30303 Anatomy and Physiology of the Speech and Hearing Mechanisms.** Structure and function of the normal mechanisms required for speech and hearing.

**COSD 30323 Speech Sound Disorders.** Prerequisites: COSD 10303 and 20333 or permission of instructor. Basic principles of diagnosis and treatment for individuals with developmental or functional disorders of articulation.

**COSD 30333 Language Development in Children.** Normal acquisition and development of language in children from infancy through adolescence.

**COSD 30343 Aural Rehabilitation.** Prerequisite: Permission of instructor. Overview of management and rehabilitation of persons with hearing loss. Focus on amplification, cochlear implants, assistive devices, speech training, speech reading, auditory training and language development.

**COSD 30353 Teaching Elementary School Subjects to DHH Children.** Prerequisite: Permission of instructor. Curriculum materials and teaching methods for meeting specialized needs of DHH children, in the learning of reading and developing concepts and relationships in arithmetic and science.

**COSD 30363 Audiology.** Prerequisite: Permission of instructor. Basic audiometric techniques and interpretation of audiograms as related to problems of communication of persons with hearing loss.

**COSD 30373 Language Disorders in Children.** Prerequisite: COSD 30333. Introduction to the causes, characteristics, assessment and treatment of children with language disorders.

**COSD 30383 American Sign Language I.** Prerequisite: COSD 10343 or permission of the instructor. An introductory course in American Sign Language ASL which will introduce students to the grammatical aspects of ASL, inclusive of receptive and expressive signing skills with laboratory practice. Recommended for students in special education and service related fields of study.

**COSD 30393 Language Development of DHH.** Prerequisite: COSD 30333, or permission of instructor. Principles of language development as applied to DHH students; survey of principal methods in use; methods used in beginning language development with young DHH children.

**COSD 30970 Independent Study.** Prerequisite: Permission of instructor. Independent study of specially designed topics not addressed in regular course offerings. 1-6 hours, 3 hours maximum per semester.

**COSD 40003 Senior Honors Research Project.** Prerequisite: COSD 30003, senior standing, and membership in the Honors Program. The completion of a research project related to a current issue in normal and/or disordered communication.

**COSD 40300 Clinical Practicum in Speech-Language Pathology I.** Prerequisite: COSD 20323, 30323, 30373 and permission of instructor. One semester is required. Supervised clinical experiences in the management of speech and language disorders.

**COSD 40323 Advanced Language Development for DHH.** Prerequisite: COSD 30393, or permission of instructor. Language principles and usage for intermediate and advanced levels with the deaf and hard of hearing.

**COSD 40333 Teaching Speech to People with Hearing Loss.** Prerequisite: COSD 20333 or permission of instructor. Development of spoken languages, including articulation, prosody, and voice production for children and adults with hearing loss.

**COSD 40340 Clinical Practicum in Teaching DHH Students I.** Prerequisite: COSD 30393 and 40333 and permission of instructor. A minimum of two semesters required. Observation and supervised clinical teaching of DHH children and adults in an individual setting.

**COSD 40350 Clinical Practicum in Teaching DHH Students II.** Prerequisite: COSD 40340. Students must be recommended for enrollment by COSD faculty. Observation and supervised clinical teaching of DHH students.

**COSD 40383 American Sign Language II.** Prerequisite: COSD 30383 or permission of the instructor. This course is a continuation of the ASL I COSD 30383 with emphasis on deaf cultural aspects and the grammatical structure of ASL. This course utilizes extensive sign productions. Recommended for students in special education and service-related fields of study.

**COSD 50300 Clinical Practicum in Speech-Language Pathology II.** Prerequisite: COSD 40300. Student must be recommended for enrollment by COSD faculty. A minimum of two semesters required for undergraduate students. A maximum of three semesters is allowed. Graduate students with less than 30 clinical hours will be considered for enrollment in COSD 50300. Supervised clinical experience in management of the most common speech and language disorders.

**COSD 50323 Counseling Special Populations and Their Families.** Prerequisite: Senior or graduate standing. Theories, principles and practices in counseling special populations and their families with a focus on the communicatively impaired. Appropriate counseling strategies and techniques are explored with practical application experiences included.

**COSD 50343 Advanced Aural Rehabilitation.** Prerequisite: Senior or graduate standing and COSD 30343 and 30363 or permission of instructor. Theories of assessment and intervention in identification and aural rehabilitation of hearing-impaired and deaf children and adults. Includes methods of evaluation and training in the areas of audition, amplification, speech, language, speech-reading, assistive listening devices, cochlear implants, and communication modes and strategies.

**COSD 50350 Clinical Practicum in Audiology.** Prerequisites: Senior or graduate standing. Students must be recommended for enrollment by the Communication Disorders CD faculty. Such recommendations are based on the student's: 1) performance in COSD coursework with a grade of "C" or better expected in all COSD courses; and 2) previous clinical experience and performance with students expected to complete two semesters of COSD 40300 with a grade of "C" or better. A laboratory course in basic audiological testing techniques involving

assessments and evaluation of the hearing function. 1-3 semester hours.

**COSD 50353 Psycholinguistics.** Prerequisite: Senior or graduate standing. Phonetics or permission of instructor. An introduction to the history, scope, problems, and present state of the psychology of language. Includes survey of theories and methods of investigation of several disciplines concerned with the scientific studies of language.

**COSD 50363 Seminar on Stuttering.** Prerequisite: Senior (with permission of instructor) or graduate standing. A study of fluency development and breakdown in children and adults. Descriptions and development of speech fluency, onset and development of stuttering, characteristics of stuttering and people who stutter, and theories of stuttering are reviewed.

**COSD 50373 Medical Aspects of Speech-Language Pathology.** Prerequisite: Senior or graduate level standing in speech-language pathology or permission of instructor. A study of the medical and biophysical bases of communication disorders and the relevant medical management of such issues as part of the total treatment program.

**COSD 50383 Seminar on Voice Disorders.** Prerequisite: Senior (with permission of instructor) or graduate standing. A study of theories, classification systems and etiologies, with emphasis on respiration, phonation, resonance and articulation factors as they relate to disorders of voice.

**COSD 50393 Basic Evaluative Instruments for Language Disorders.** Theory, administration and interpretation of basic evaluative instruments and indications for therapy.

**COSD 50970 Directed Studies in Communication Disorders.** Prerequisites: Senior or graduate standing; permission of instructor. Directed study focusing on specialized topic in communication sciences and disorders. (1-6 semester hours, 3 hours maximum per semester.)

# Kinesiology

[Movement Science](#)

[Physical Education](#)

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[Minors](#)

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## (KINE)

Available on the B.S. degree with majors in Athletic Training, Health and Fitness, Movement Science, Physical Education, and Psychosocial Kinesiology.

### Overview

The Department of Kinesiology offers programs of study designed to provide students with the educational background necessary for the pursuit of careers in a variety of movement-based professions. The Bachelor of Science degree is offered with majors in Athletic Training, Health and Fitness, Movement Science, Physical Education, and Psychosocial Kinesiology. In addition, the department offers minors in Movement Science, Health, and Physical Education. The Athletic Training major is accredited by the Commission on Accreditation of Allied Health Education Programs. A variety of activity courses are also offered by the department.

The curriculum for each major academic area is comprised of three components: (1) 15 hours of Kinesiology Core courses common to all majors; (2) 18-28 hours of Major courses specific to each area; 3) 6-12 hours of Emphasis courses; and (4) 11-26 hours of Associated Requirements that are intended to supplement the departmental courses. In addition to the major requirements, students must take Core Curriculum (CC) and elective courses to accumulate a minimum of 124 hours for the Bachelor of Science degree. The department emphasizes learning experiences beyond the classroom environment. Students are required and/or encouraged to participate in research, internships, clinical experiences, and special projects which are arranged through academic advisors.

**Pass/No Credit Option.** No Kinesiology Core, Major, Emphasis, or Associated Requirements courses may be taken on a pass/no credit basis.

### Movement Science

The Movement Science option provides students with the educational background required for a variety of movement-based professions. Students who select this major often continue their education in graduate programs in Kinesiology or Physical Therapy. Students are advised to consult with their advisor as early as possible in order to coordinate elective courses with specific interests.

#### 1. CC

**39 to 63 hours**  
(core hours vary depending on the number of coupled courses)

#### 2. Major: Movement Science

**42 hours**

##### **Kinesiology Core (15 hours)**

KINE 10103 Foundations of Kinesiology

KINE 10603 Anatomical Kinesiology

KINE 20503 Motor Behavior

KINE 30623 Biomechanics

KINE 30633 Exercise Physiology

##### **Major Courses (18 hours)**

KINE 30423 Motor Development

KINE 30713 Psychology of Sport

or

KINE 30723 Exercise Psychology

KINE 30833 Physical Activity and Disability

KINE 40103 Seminar in Kinesiology

KINE 40793 Senior Research

KINE 40903 Senior Internship

##### **Emphasis Courses (choose 9 hours)**

HLTH 20233 Sport and Exercise Pharmacology

HLTH 30423 Nutrition and Physical Activity

KINE 30503 Fitness Assessment

KINE 40503 Fitness Programming

#### 3. Associated Requirements

**26 hours**

BIOL 20204 Anatomy and Physiology I

BIOL 20214 Anatomy and Physiology II

CHEM 10113 General Chemistry

CHEM 10125 General Chemistry

MATH 10043 Elementary Statistics

MATH 10053 Precalculus Algebra

PHYS 10154 General Physics I w/ Lab

#### 4. Electives as needed to complete

**124 hours**

### Physical Education

The physical education option provides students with the educational preparation for a career in the teaching profession. Students will receive all-level certification upon successful completion of the major, and a state-administered exam. In order to earn a teaching certification, students must meet and comply with the requirements described in the "Teacher Education Program" section of this catalog. Specific requirements involve criteria for admission and retention to the teacher education program, and admission to student teaching. See the School of Education section of the catalog for admission and retention criteria.

**1. CC** **39 to 63 hours**  
(core hours vary depending on the number of coupled courses)

**2. Major: Physical Education** **42 hours**

***Kinesiology Core (15 hours)***

KINE 10103 Foundations of Kinesiology

KINE 10603 Anatomical Kinesiology

KINE 20503 Motor Behavior

KINE 30623 Biomechanics

KINE 30633 Exercise Physiology

***Major Courses (21 hours)***

KINE 20403 Physical Education for Elementary School Children

KINE 20613 Measurement and Evaluation in Kinesiology

KINE 30803 Adapted Physical Activity: School-based Perspective

KINE 40313 Individual and Dual Sports

KINE 40343 Team and Group Sports

KINE 40623 Physical Education for Secondary School Youth

KINE 40633 Teaching Outdoor Education in Secondary Schools

***Emphasis Courses (choose 6 hours)***

KINE 30423 Motor Development

KINE 30713 Psychology of Sport

KINE 30733 Exercise Psychology

**3. Associated Requirements** **25 hours**

EDUC 30013 Foundations of Education

EDUC 30123 Educational Psychology

EDUC 40213 Promoting Literacy in the Subjects

ECUC 30143 Child and Adolescent Development

EDSP 30603 Study of Exceptional Students

EDMS 30001 Professional Practice Seminar

EDSE 40980 Student Teaching in the Secondary School (3 hours)

EDSE 50023 Instructional Planning

EDEL 40990 Student Teaching in the Elementary School (3 hours)

**4. Electives as needed to complete** **124 hours**

**Health and Fitness**

The Health and Fitness option provides students with the educational foundation required for pursuit of fitness-related careers. Students interested primarily in exercise prescription, assessment, cardiac rehabilitation, and the planning, organizing, and administration of fitness programs should select this option.

**1. CC** **39 to 63 hours**  
(core hours vary depending on the number of coupled courses)

**2. Major: Health and Fitness** **48 hours**

***Kinesiology Core (15 hours)***

KINE 10103 Foundations of Kinesiology

KINE 10603 Anatomical Kinesiology

KINE 20503 Motor Behavior

KINE 30623 Biomechanics

KINE 30633 Exercise Physiology

***Major Courses (24 hours)***

HLTH 20233 Sport and Exercise Pharmacology

HLTH 30423 Nutrition and Physical Activity

HLTH 40203 Study of Human Disease

KINE 30503 Fitness Assessment

KINE 30733 Exercise Psychology

KINE 30803 Physical Activity and Disability

KINE 40503 Fitness Programming

KINE 40903 Senior Internship

***Emphasis Courses (choose 9 hours)***

HLTH 30203 Health and Stress Management

KINE 20303 Prevention and Care of Injuries

KINE 20613 Measurement and Evaluation in Kinesiology

KINE 30713 Psychology of Sport

**3. Associated Requirements** **20 hours**

BIOL 20204 Anatomy and Physiology I

BIOL 20214 Anatomy and Physiology II

MANA 30153 Organizational Management

MARK 30153 Marketing Management  
 NTDT 10403 Nutrition  
 PSYC 10213 General Psychology

**4. Electives as needed to complete**

**124 hours**

**Psychosocial Kinesiology**

The Psychosocial Kinesiology major provides students with the educational background primarily designed to pursue a graduate degree in sport psychology, exercise psychology, sport sociology, or a related discipline. The most frequently pursued professions following graduate work in these areas include teaching and research as a university professor, or consulting in sport and exercise psychology.

**1. CC**

**39 to 63 hours**  
 (core hours vary depending on the number of coupled courses)

**2. Major: Psychosocial Kinesiology**

**42 hours**

**Kinesiology Core (15 hours)**

KINE 10103 Foundations of Kinesiology

KINE 10603 Anatomical Kinesiology

KINE 20503 Motor Behavior

KINE 30623 Biomechanics

KINE 30633 Exercise Physiology

**Major Courses (21 hours)**

KINE 30713 Psychology of Sport

KINE 30723 Sociology of Sport

KINE 30733 Exercise Psychology

KINE 30833 Physical Activity and Disability

KINE 40103 Seminar in Kinesiology

KINE 40793 Senior Research

KINE 40903 Senior Internship

**Emphasis Courses (choose 6 hours)**

HLTH 30203 Health and Stress Management

KINE 20613 Measurement and Evaluation in Kinesiology

KINE 30423 Motor Development

**3. Associated Requirements**

**25 hours**

MATH 10043 Elementary Statistics

PSYC 10514 Principles of Behavior

PSYC 30343 Social Psychology

PSYC 30363 Abnormal Psychology

PSYC 30443 Psychology of Personality

SOCI 20213 Introductory Sociology

SOCI 30743 Men, Women and Society

SPCO 10123 Basic Speech Communication

**4. Electives as required to complete**

**124 hours**

**Athletic Training**

The B.S. in athletic training prepares graduates to sit for the Board of Certification (national certification) examination and/or the Texas Advisory Board state license examination. The athletic training education program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Certified athletic trainers are educated in the prevention, recognition, management, and rehabilitation of injuries that result from physical activity. Athletic training is recognized by the American Medical Association as an allied health-care profession. Students who desire to work as an athletic trainer in the high school setting should consider a double major in Physical Education.

Admission Requirements

Admission to TCU's athletic training education program is highly competitive. Successful candidates will have a strong academic record, a background in the natural sciences, and experience in athletic training during their high school years. Students with a strong academic record who do not have previous athletic training experience, but are evaluated to have potential as an athletic training student, will be considered for admission.

Upon admission, students are required to have a physical exam by our team physician; show proof of immunization for hepatitis B, measles, mumps, rubella, tetanus, and diphtheria; and attest that they meet the technical standards established by the program.

Please see the athletic training education offices in TCU's Department of Kinesiology for an application, or visit our website at [www.tcusportsmedicine.com](http://www.tcusportsmedicine.com).

Retention Policy

*Requirements for Retention*

To be retained in the Athletic Training Program, students must maintain a 2.75 or better cumulative grade point average, maintain a 2.75 or better grade point average for major coursework, earn a 2.75 or higher semester GPA, earn a "C" or better in all courses required to complete the major, complete the clinical proficiencies assigned for the semester, and be in good standing academically with the university and comply with university policies.

*Probation*

Probation will serve as a warning to students that their progress in the program is not satisfactory. Students will be

placed on probation if one or more of the requirements for retention are not met in a given semester. Students placed on probation: will be required to complete 10 hours of study hall each week, may not complete more than 15 hours per week in the athletic training room, and will not be allowed to travel with their respective team to away competitions. Students will be removed from probation if the requirements for retention are satisfied at the completion of the semester.

#### *Clinical Probation*

Students will be placed on clinical probation if: requirements for retention are not satisfied for two consecutive semesters, requirements for retention are not satisfied for a combination of three total semesters (consecutive or non-consecutive), and/or a deficient grade in a course required for the major is not remedied after one academic year.

To allow the student to devote more time to academics and improve their grade point average, students on clinical probation: will not be given a clinical assignment and will be required to complete 15 hours of study hall each week.

#### *Dismissal from the Program*

Students who have not remedied their deficiencies following a semester of clinical probation will be considered for dismissal from the program. Other circumstances (i.e. sacrificing patient confidentiality) may result in a student being considered for dismissal and will be handled on a case-by-case basis.

The Program Director and Head Athletic Trainer in consultation with the program faculty/staff will make decisions regarding the dismissal of a student from the program. The Program Director and Head Athletic Trainer will meet with the student to discuss the decision and reason(s) for dismissal of a student from the program. A letter will be placed in the student's file. A copy will be sent to the student and the chair of the department. Students shall not continue in the Athletic Training major (ATTR) and will be required to file a change of major form with the Dean's office.

**1. CC** **39 to 63 hours**  
(core hours vary depending on the number of coupled courses)

**2. Athletic Training Major** **55 hours**

#### ***Kinesiology Core (15 hours)***

KINE 10103 Foundations of Kinesiology

KINE 10603 Anatomical Kinesiology

KINE 20503 Motor Behavior

KINE 30623 Biomechanics

KINE 30633 Exercise Physiology

#### ***Major Courses (28 hours)***

KINE 10101 Introduction to Athletic Training

KINE 20101 Clinical Education I

KINE 20201 Clinical Education II

KINE 20303 Prevention and Care of Athletic Injuries

KINE 30101 Clinical Education III

KINE 30201 Clinical Education IV

KINE 30303 Orthopedic Assessment I

KINE 30313 Orthopedic Assessment II

KINE 30602 General Medical Conditions for the Athletic Trainer

KINE 40101 Clinical Education V

KINE 40201 Clinical Education VI

KINE 40301 Senior Seminar in Athletic Training

KINE 40303 Organization and Administration in Athletic Training

KINE 40523 Therapeutic Modalities

KINE 40533 Therapeutic Exercise

#### ***Emphasis Courses (choose 12 hours)***

HLTH 20203 Health and Wellness Concepts

HLTH 20233 Sport and Exercise Pharmacology

HLTH 30423 Nutrition and Physical Activity

KINE 20613 Measurement and Evaluation in Kinesiology

KINE 30713 Psychology of Sport

KINE 30733 Exercise Psychology

KINE 30833 Physical Activity and Disability

**3. Associated Requirements** **11 hours**

BIOL 20204 Anatomy and Physiology I

BIOL 20214 Anatomy and Physiology II

MATH 10403 Elementary Statistics

**4. Electives as needed to complete** **124 hours**

#### **Minors**

The Department of Kinesiology offers academic minors in Movement Science, Health, and Physical Education.

**1. Minor: Movement Science** **18 hours**

KINE 10603 Anatomical Kinesiology

KINE 20503 Motor Behavior

KINE 30423 Motor Development

KINE 30623 Biomechanics

KINE 30633 Exercise Physiology

*Choose one of the following:*

KINE 30503 Fitness Assessment  
 KINE 30713 Psychology of Sport  
 KINE 30803 Adapted Physical Activity

## 2. Minor: Health

18 hours

HLTH 20203 Health and Wellness Concepts  
 HLTH 20233 Sport and Exercise Pharmacology  
 HLTH 30203 Health and Stress Management  
 HLTH 30423 Nutrition and Physical Activity

*Choose two of the following:*

HLTH 30213 Health Aspects of Human Sexuality#  
 HLTH 40203 Study of Human Disease\*  
 KINE 30633 Exercise Physiology  
 KINE 30733 Exercise Psychology

# Recommended for students entering the teacher preparation field.

\* Recommended for students entering medical or allied health fields.

## 3. Minor: Physical Education

18 hours

KINE 10603 Anatomical Kinesiology  
 KINE 20403 Physical Education for Elementary School Children  
 KINE 30803 Adapted Physical Activity: School-based Perspective  
 KINE 40623 Physical Education for Secondary School Youth

*Choose two of the following:*

KINE 20613 Measurement and Evaluation in Kinesiology  
 KINE 30423 Motor Development  
 KINE 30623 Biomechanics  
 KINE 30633 Exercise Physiology

### Courses of Instruction

**HLTH 10603 Anatomical Kinesiology.** A study of the gross structure of the human body with an emphasis on the relationship of anatomy to the study of physical activity, physical fitness, sport and exercise. (Offered as KINE or HLTH credit.)

**HLTH 20203 Health and Wellness Concepts.** A survey course designed to study basic health concepts and information relative to general areas of health. Relation of these concepts to personal lifestyles and healthy decisions.

**HLTH 20233 Sport and Exercise Pharmacology.** Prerequisite: KINE 10603, or consent of instructor. The study of the pharmacological effects of various classifications of drugs commonly utilized to treat and manage various types of hypokinetic diseases such as cardiovascular disease, diabetes, and obesity. The interaction between various drugs and exercise will be examined. In addition, the pharmacological effects of various nutritional supplements commonly used by athletes and other exercising individuals as ergogenic aids will be studied.

**HLTH 20613 Measurement and Evaluation.** Introduction to basic measurement and evaluation concepts and processes in Kinesiology and health. (Offered as KINE or HLTH credit.)

**HLTH 30203 Health and Stress Management.** A study of physiological, psychological, and sociological aspects of stress as related to overall health. Responses such as anger, fear, and depression with their underlying mechanisms in states of health and disease will be examined. Emphasis is on identification of stressors and methods of prevention and coping with them.

**HLTH 30213 Health Aspects of Human Sexuality.** Sexuality as a normal aspect of life and as a source of creative energy. Study of physical, mental, emotional, social, and psychological phases of human sexuality as they are affected by male and female relationships.

**HLTH 30423 Nutrition and Physical Activity.** Prerequisite: NTD 10403, or permission of instructor. A study of the roles that nutrition and physical activity play in maintaining health and fitness, with an emphasis on evaluating personal nutrition and physical activity habits, and developing an individualized plan for healthful eating and exercise.

**HLTH 30633 Exercise Physiology.** Prerequisite: KINE 10603 or consent of instructor; Kinesiology majors only also need KINE 10103. Physiological responses of the systems of the human body to acute and chronic exercise. Emphasis is on the processes and mechanisms responsible for such responses. (Offered as KINE or HLTH credit.)

**HLTH 40203 Study of Human Disease.** An overview of the processes in human disease. The etiology, symptoms, treatment, and preventive measures of various diseases. Concepts of wellness are discussed.

**HLTH 40213 Instructional Strategies in Health Education.** Selection and application of teaching methods, materials and content, action-oriented classroom strategies and resources appropriate for Health Education at the various educational levels.

**HLTH 40533 Therapeutic Exercise.** Prerequisite: KINE 20303; Kinesiology majors only also need KINE 10103. An upper level implementation of therapeutic exercise and rehabilitation techniques for the treatment of athletic injuries. Practical application of anatomy and physiology will provide for acquisition of clinical skills.

**HLTH 40770 Special Problems in Health Education.** Prerequisite: Senior standing and consent of instructor. Individual study involving research or other scholarly work in Health Education under the direction of a faculty member (1-3 semester hours.)

**KINE 10011 Personal Fitness.** Principles, concepts, and components of physical fitness. Emphasis on design and practical implementation of individualized fitness program.



**KINE 10101 Introduction to Athletic Training.** An introduction to the basic skills in athletic training and the Texas Christian University sports medicine facilities and personnel.

**KINE 10103 Foundations of Kinesiology.** An overview of the philosophical and historical perspectives of the academic discipline of Kinesiology. Current trends and topics are discussed to acquaint students with career opportunities in the various subspecialties within Kinesiology. Open to students with freshman or sophomore standing only except by permission

**KINE 10533 Freshman Seminar in Kinesiology: Sports in America: A Socio-Cultural Perspective.** This freshman seminar course provides students with a forum to explore the influences of sport in American society. Students learn to formulate opinions on main topics as a result of readings, direct observation, and class discussion. Students then defend their opinions and ideas in written assignments, or during class discussions.

**KINE 10603 Anatomical Kinesiology.** A study of the gross structure of the human body with an emphasis on the relationship of anatomy to the study of physical activity, physical fitness, sport and exercise. (Offered as KINE or HLTH credit.)

**KINE 20101 Clinical Education I.** Prerequisites: KINE 20303. The review and evaluation of clinical proficiencies required by the National Athletic Trainers' Association for certification.

**KINE 20201 Clinical Education II.** Prerequisites: KINE 20303; The review and evaluation of clinical proficiencies required by the National Athletic Trainers' Association for certification.

**KINE 20303 Care and Prevention of Athletic Injuries.** Prerequisite: KINE 10603. Study of recognition, prevention, reconditioning, and referral of athletic injuries.

**KINE 20403 Physical Education for Elementary School Children.** Prerequisite: Kinesiology majors only need KINE 10103. Presentation of various teaching strategies, procedures, classroom management, and evaluation techniques in order to meet goals and objectives of elementary physical education programs.

**KINE 20412 First Aid: Responding to Emergencies.** Theory and practice of first aid and accident prevention techniques as well as CPR instruction. Standard Red Cross certificate issued on successful completion of course and practical evaluation.

**KINE 20503 Motor Behavior.** Prerequisite: KINE 10603 or consent of instructor. Investigation of current theories of motor control, motor learning, and their relationship to the acquisition of motor skill.

**KINE 20613 Measurement and Evaluation.** Introduction to basic measurement and evaluation concepts and processes in Kinesiology and health. (Offered as KINE or HLTH credit.)

**KINE 30101 Clinical Education III.** Prerequisites: KINE 20303. The review and evaluation of clinical proficiencies required by the National Athletic Trainers' Association.

**KINE 30201 Clinical Education IV.** Prerequisites: KINE 30313 and KINE 40523. The review and evaluation of clinical proficiencies required by the National Athletic Trainers' Association for certification.

**KINE 30303 Orthopedic Assessment I.** Prerequisite: KINE 10603 and KINE 20303 or consent of instructor. This course is designed to provide advanced knowledge and clinical skills in the assessment of sports related injuries to the upper extremity, head and neck. This course will also serve to enhance the student's decision making skills in initial injury management.

**KINE 30313 Orthopedic Assessment II.** Prerequisites: KINE 30303. This course is designed to provide advanced knowledge and clinical skills in the assessment of sports related injuries to the lower extremity and lumbar spine. This course will also serve to enhance the student's decision making skills in initial injury management.

**KINE 30423 Motor Development.** Prerequisite: KINE 10603 or consent of instructor. Kinesiology majors only also need KINE 10103. An examination of human motor behavior from birth to adulthood. Emphasis placed on the development of fundamental skills and their effect on future motor performance.

**KINE 30503 Fitness Assessment.** Prerequisite: KINE 10603 or consent of instructor. Practical experience in aspects of physical fitness and prescription. Students receive hands on experience in areas of testing required for ACSM health/fitness instructor certification.

**KINE 30602 General Medical Conditions for the Athletic Trainer.** Prerequisites: KINE 20303. This course will provide an advanced level of knowledge and clinical skills in the signs, symptoms, and management of general medical conditions commonly seen by the practicing athletic trainer.

**KINE 30623 Biomechanics.** Prerequisite: KINE 10603 or consent of instructor. Kinesiology majors only also need KINE 10103. Mechanical foundation and analysis of human movement. Emphasis is placed on the concepts of linear and angular kinetics to include forces and torques that act on the human body during movement.

**KINE 30633 Exercise Physiology.** Prerequisite: KINE 10603 or consent of instructor; Kinesiology majors only also need KINE 10103. Physiological responses of the systems of the human body to acute and chronic exercise. Emphasis is on the processes and mechanisms responsible for such responses. (Offered as KINE or HLTH credit.)

**KINE 30713 Psychology of Sport.** Prerequisite: Kinesiology majors only need KINE 10103. Selected theories and practical applications germane to the understanding of psychological aspects of human behavior in sport and exercise settings.

**KINE 30723 Sociology of Sport.** Prerequisites: Kinesiology majors only need KINE 10103.

**KINE 30733 Exercise Psychology.** Prerequisite: PSYC 10213 or 10514, or permission of instructor; Kinesiology majors only also need KINE 10103. Selected theories and practical applications germane to the understanding of psychological aspects of human behavior in exercise settings.

**KINE 30753 Curriculum and Program Design in Secondary Physical Education.** Prerequisite: KINE 10103. The development of goals, objectives, and scope of secondary physical education. Emphasis is placed on the

systematic process of designing and evaluating curriculum in secondary schools.

**KINE 30803 Adapted Physical Activity.** Prerequisite: KINE 10603 or consent of instructor; Kinesiology majors only also need KINE 10103. An overview of common disabilities and the relationship to appropriate physical activity experiences. Stress is placed on learning how to develop and adapt programs for individuals with disabilities primarily in school physical and special educational settings.

**KINE 30833 Physical Activity and Disability.** Prerequisite: KINE 10603 or consent of instructor; Kinesiology majors only also need KINE 10103.

**KINE 40101 Clinical Education V.** Prerequisites: KINE 30313 and KINE 40533. The review and evaluation of clinical proficiencies required by the National Athletic Trainers' Association for certification.

**KINE 40103 Seminar in Kinesiology.** Prerequisite: Consent of instructor. An examination of current issues in the field of Kinesiology. Emphasis is on a critical examination of research processes, and the application of research finds relevant to disciplines within Kinesiology.

**KINE 40201 Clinical Education VI.** Prerequisites: HLTH 20203 and KINE 30602. The review and evaluation of clinical proficiencies required by the National Athletic Trainers' Association for certification.

**KINE 40301 Senior Seminar in Athletic Training.** Prerequisites: KINE 30303, 30313, and 40533. This course will serve as a comprehensive overview of athletic training. This course will provide the senior level athletic training student the opportunity to synthesize coursework and discuss the care of athletic injuries from the time of injury until return to play. An overview and discussion of national, district, and state athletic training organizations will also be included.

**KINE 40303 Organization and Administration in Athletic Training.** Prerequisite: KINE 20303; this course provides the student with the background and skills necessary to administer and manage an Athletic Training Program. Topics such as athletic training program management, budget, insurance, facility design, legal issues, and ethics in the profession of athletic training will be discussed.

**KINE 40313 Individual and Dual Sports.** Prerequisite: Kinesiology majors only need KINE 10103. The development of knowledge, skill and play relative to selected individual and dual sports and activities in the field of Physical Education and recreation. Focuses on phases of skill development and teaching progression.

**KINE 40343 Team and Group Sports.** Prerequisite: Kinesiology majors only need KINE 10103. The development of knowledge, skill, and play relative to selected team and group sports and activities in the field of Physical Education and Recreation. Focuses on various phases of skill development and teaching progression.

**KINE 40503 Fitness Programming.** Prerequisites: KINE 10603 and KINE 30503 or consent of instructor. Kinesiology majors only also need KINE 10103. Theoretical and practical applications of exercise assessment and exercise prescription in commercial fitness, community fitness, and cardiac rehabilitation.

**KINE 40523 Therapeutic Modalities.** Prerequisite: KINE 20303; Kinesiology majors only also need KINE 10103. Critical examination of concepts and applications of therapeutic modalities and rehabilitative techniques regarding athletic injury.

**KINE 40533 Therapeutic Exercise.** Prerequisite: KINE 20303; Kinesiology majors only also need KINE 10103. An upper level implementation of therapeutic exercise and rehabilitation techniques for the treatment of athletic injuries. Practical application of anatomy and physiology will provide for acquisition of clinical skills.

**KINE 40623 Physical Education for Secondary School Youth.** Prerequisite: Kinesiology majors only need KINE 10103. Examination of scope and value of Physical Education in the secondary schools. Factors essential to curriculum planning and instruction included. On-site clinical experiences.

**KINE 40633 Teaching Outdoor Education in the Secondary School.** Prerequisites: KINE 10103 and 20403. This course will prepare students to teach a state outcome-based outdoor education course in the secondary public schools. It will prepare students in the areas of group and individual initiatives, low and high ropes initiatives, leadership activities, orienteering and overnight camping skills.

**KINE 40700 Practicum in Adapted Physical Activity.** Prerequisite: Kinesiology majors only need KINE 10103. This course will provide hands-on teaching opportunities at schools servicing a variety of individuals with disabilities. Students will participate in the planning and implementation of appropriate physical activity programs. On-site clinical experiences.

**KINE 40760 Practicum in Kinesiology.** Prerequisite: Senior standing and consent of department. Kinesiology majors only also need KINE 10103. Practical experience in an area of Kinesiology (1-3 semester hours.)

**KINE 40780 Special Problems in Kinesiology.** Prerequisite: Senior standing and consent of department; Kinesiology majors only also need KINE 10103. Individual study involving research or other scholarly work in Kinesiology under the direction of a faculty member (1-3 semester hours.)

**KINE 40793 Senior Research in Kinesiology.** Prerequisite: Senior standing and consent of department. Students work with individual faculty on a research project in an area of interest. The project involves formation of hypotheses, collection of data, and data analysis and interpretation.

**KINE 40903 Senior Internship.** Prerequisite: Senior standing and consent of department. Internship for the movement based professions. Students work with local professionals in an area related to their career interest.

**KINE 50970 Special Topics in Kinesiology.** Prerequisite: Approval of adviser and course instructor.

**PEAC 10101 Football.** Football

**PEAC 10111 Track and Cross Country.** Track & Cross Country

**PEAC 10121 Golf.** Golf

**PEAC 10131 Tennis.** Tennis

- PEAC 10141 Basketball.** Basketball
- PEAC 10151 Baseball.** Baseball
- PEAC 10161 Swimming and Diving.** Swimming & Diving
- PEAC 10171 Gymnastics (Cheerleaders).** Gymnastics (Cheerleaders)
- PEAC 10181 Soccer.** Soccer
- PEAC 10191 Volleyball.** Volleyball
- PEAC 10231 Personal Defense.** Techniques and theories of basic personal defense skills.
- PEAC 10261 Karate Forms.** An introduction to the skills, techniques, strategies and conditioning of Karate.
- PEAC 10301 Flag Football.** Fundamental skills, techniques and strategies of flag football.
- PEAC 10311 Beginning Softball.** Fundamental skills, techniques and strategies of softball.
- PEAC 10331 Beginning Soccer.** Fundamental skills, techniques and strategies of soccer.
- PEAC 10341 Basketball.** Fundamental skills, techniques and strategies of basketball.
- PEAC 10411 Body Conditioning.** Fundamental principles of exercise, individualized programs with lifetime fitness goals and fitness related activities.
- PEAC 10421 Weight Training.** Basic weight training techniques, personalized workout programs, and concepts and knowledge related to the development of individualized programs.
- PEAC 10481 Cycling.** Equipment selection, safety, riding techniques and training programs associated with biking.
- PEAC 10491 Jogging.** Techniques, principles and practice in jogging.
- PEAC 10521 Aerobic Dance.** Aerobic conditioning rhythmic workouts, with emphasis on fitness and cardiovascular conditioning while performing directed and individual routines.
- PEAC 10531 Modern Dance.** Techniques of modern dance with emphasis on fundamentals of movement, body technique, space and rhythm.
- PEAC 10591 P E Ballet.** Basic theory, skills and technique of beginning ballet for the non-dance major.
- PEAC 10601 Beginning Swimming.** Emphasis on stroke development and water safety designed for the non-swimmer.
- PEAC 10611 Intermediate Swimming.** Individual stroke development, conditioning and water safety. American Red Cross standards maintained with emphasis on improving swimming skills.
- PEAC 10622 Lifeguarding and CPR.** Knowledge and skill development for life guarding in accordance with American Red Cross standards. Lifesaving and CPR test and certification for those meeting required standards.
- PEAC 10631 Water Safety Instructor's Course.** Lifesaving skills as well as a training program for students who want to teach swimming. Prerequisite: Current Red Cross Advance Life-saving Certificate and strong execution of swimming skills.
- PEAC 10651 Scuba Diving.** Skill and safety instruction for underwater swimming and snorkeling. Equipment safety, rules of diving, skills and recreational benefits. Certification available.
- PEAC 10671 Water Polo.** Fundamental skills, rules and offensive tactics of water polo. Conditioning and game situations.
- PEAC 10691 Swim Conditioning.** Physical conditioning through aquatic activities. Concepts of swim conditioning and endurance as well as stroke improvement.
- PEAC 10711 Badminton.** Skill, techniques of play and competitive strategies of badminton. Singles and doubles play.
- PEAC 10721 Racquetball.** Fundamental skills, rules, basic shots, game strategies, equipment and safety of racquetball.
- PEAC 10731 Advanced Racquetball.** Continuation of racquetball. Prerequisite: PEAC 10721 or equivalent experience.
- PEAC 10741 Beginning Tennis.** Fundamental skills, basic strokes, rules, strategies and game play of tennis.
- PEAC 10751 Intermediate Tennis.** Review of basic tennis skills as well as development advanced strokes, strategies and game play in both singles and doubles. Prerequisite: PEAC 10741 or equivalent experience.
- PEAC 10761 Advanced Tennis.** Refinement of advanced techniques and strategies of tennis. Prerequisite: PEAC 10751 or equivalent experience.
- PEAC 10771 Beginning Golf.** Fundamental skills of swing, stance, and basic club use, putting and practice in course play.
- PEAC 10781 Advanced Golf.** Emphasis will be on skill and stroke improvement with individual assistance in game play.
- PEAC 10801 Fundamentals of Bowling.** Basic skills rules and strategies of bowling.

**PEAC 20031 Team Sports.** Fundamental knowledge and the development of skills associated with selected team sports.

## Social Work

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### **(SOWO)**

Social Work is available as a major on the B.S. in Social Work (B.S.S.W.) degree. It is also available as a double major on the B.S. degree and as a minor on most degrees.

The TCU Department of Social Work does not discriminate on the basis of age, gender, race, color, ethnicity, national origin, handicap, veteran status, political beliefs, or sexual orientation.

Social work is one of the human service professions. Social workers help individuals, groups or communities solve or relieve life problems using a variety of professional skills. The educational program integrates liberal arts courses with preparation for professional practice. The primary objective of the department is to prepare students as generalists for entry to the beginning level of social work practice. An additional objective is to prepare students for admission to graduate schools of social work (eligible for advanced standing in most masters degree programs).

The curriculum includes content in Social Welfare Policy and Services; Human Behavior and the Social Environment; Social Work Practice; Research; and Field Education. It focuses on values and ethics, populations at risk and diversity. Concurrent with their academic work, students are provided service learning opportunities and, during the senior year, two consecutive semesters of field education (internship) in a public or private social agency selected in accord with the students area of social work interest and educational needs.

**Accreditation.** The Department of Social Work and the social work major (not the minor) are fully accredited at the baccalaureate level by the Council on Social Work Education (C.S.W.E.).

### **Admission to advanced standing in the department and field education**

Students may declare the social work major at any time. Admission to advanced standing in the department and field education requires that students have attained junior status; have a 2.25 or higher overall GPA; complete a minimum of 9 hours of social work courses including 10833, have a 2.5 GPA in social work and have a C or better in all social work (SOWO) courses; make written application and receive faculty approval based on the application and a student-faculty conference (Junior Evaluation) to evaluate readiness for field education. Field Education may be postponed or denied if the faculty finds the student insufficiently prepared or lacking required knowledge, skills, or values.

### **Honors Program**

Social Work majors who plan Departmental Honors must be members of the Honors Program and should enroll in SOWO 30003 during the spring semester of their junior year and SOWO 40003 during the fall semester of their senior year.

### **Honor Society**

The department sponsors the Iota Xi chapter of Phi Alpha, the national Social Work Honor Society. Membership is open to students who achieve a 3.0 overall GPA and a 3.25 GPA in social work.

### **Interdisciplinary Studies**

Students may undertake an interdisciplinary program with a double major in Social Work and another major, even when different degrees are involved (e.g., B.A. and B.S.). Programs such as Social Work and Religion Studies, Social Work and Psychology, and others require faculty advisers in both fields to coordinate course and degree planning.

### **Licensing**

Students are eligible to be licensed as social workers in Texas upon graduation. Licensing is generally transferable to other states. All students will sit for the Texas State licensing examination prior to graduation.

### **NASW/TCU**

This organization exists for student professional development, social activities, information sharing, and carrying out service projects of interest to members.

### **Pass/No Credit Option**

All courses in the major (SOWO) must be taken on letter grade system unless specifically noted as Pass/No Credit. Other courses including those in a minor may be taken Pass/No Credit. However, students may take no more than a total of 12 credits (excluding those offered in Social Work as Pass/No Credit) under the Pass/No Credit option.

### **Study Abroad Policy**

Students are encouraged to study abroad. The Department of Social Work requires that students take SOWO

30883 in the spring semester prior to entering Field Education (SOWO 40886) at TCU, so students need to schedule study abroad accordingly.

### Transfer Credit Policy

Most Core Curriculum (CC) and related coursework from accredited universities will transfer. Social work courses from CSWE accredited social work programs will be accepted toward the social work degree. However, practice courses (SOWO 30883, 30893, 40883, 40893) must be taken at TCU. If taken at another school, practice courses will transfer as electives.

### Requirements for the B.S. in Social Work degree

Requirements for the B.S. in Social Work degree total 124 semester hours and include:

**Three hours of human biology:** BIOL 10003 Contemporary Issues in Human Biology (may be applied to the CC).

**Three hours of statistics:** MATH 10043 (may be applied to the CC).

**Three hours of psychology:** PSYC 10213 General Psychology.

### Foundation Courses, 12 semester hours including:

SOWO 10833 Introduction to Social Work  
 SOWO 20813 Professional Communication for Social Work  
 SOWO 20863 Issues in Social Welfare Policy  
 SOCI 20213 Introduction to Sociology **or** SOCI 20223 Social Problems

### Social Work Courses, 42 semester hours:

SOWO 30813 Research Methods in Social Work  
 SOWO 30823 Ethics in Social Work Practice  
 SOWO 30843 Human Behavior and the Social Environment I  
 SOWO 30853 Human Behavior and the Social Environment II  
 SOWO 30883 Generalist Practice with Individuals  
 SOWO 30893 Generalist Practice with Communities  
 SOWO 40883 Generalist Practice with Groups and Families  
 SOWO 40893 Generalist Practice with Diverse Populations  
 SOWO 40886 Field Education I  
 SOWO 40896 Field Education II

and 6 hours chosen from SOWO electives

### Electives:

SOWO 10533 Freshman Seminar in Social Work  
 SOWO 30523 Addictions  
 SOWO 30533 Counseling Skills and Crisis Intervention in the Criminal Justice System  
 SOWO 30543 Family Health  
 SOWO 30553 Social Work with Adolescents  
 SOWO 30563 Social Work and the Media  
 SOWO 30573 Child Welfare  
 SOWO 30580 International Study in Social Work  
 SOWO 30583 Issues in Diversity  
 SOWO 40510 Directed Study in Social Work  
 SOWO 40520 Contemporary Topics in Social Work  
 SOWO 40523 Law and Social Work  
 SOWO 40533 Advanced Generalist Practice with Families  
 SOWO 40543 Social Work with Older Adults  
 SOWO 40563 Death and Dying

### A minor in Social Work

A minor in Social Work requires 18 hours of Social Work courses including 10833, 20863, and 30843 **or** 30853. Additional courses are to be selected from the Social Work curriculum excluding 40886 and 40896.

### Courses of Instruction

**SOWO 10533 Freshman Seminar in Social Work.** Topics may vary each time it is offered.

**SOWO 10833 Introduction to Social Work.** Introduces students to the social work profession including its historical development and process of professionalization. Discusses the knowledge, value, and skill components of social work practice, the variety of practice settings, and the types of client populations served. The course will include a service learning component in a local social service agency.

**SOWO 20813 Professional Communication in Social Work.** Prerequisites: SOWO 10833 or permission of the instructor. Developing effective communication as a professional social worker is the goal of this course. Emphasis is on writing skills necessary in professional practice although oral communication also is stressed. The course requires written exercises submitted for review and rewritten to reflect ongoing professional development.

**SOWO 20863 Issues in Social Welfare Policy.** Prerequisites: SOWO 10833 or permission of the instructor. The historical development of social welfare policies in the U.S. Major legislative enactments which established the existing welfare structure. Social, economic, and political factors influencing the development of policy. Analysis of social welfare issues currently facing the U.S.

**SOWO 30003 Honors Tutorial in Social Work.** An examination of an issue affecting the social work profession or a field or method of social work practice determined in consultation with an instructor. This course is offered on a

directed study basis and this must be arranged prior to the semester enrolled.

**SOWO 30523 Addictions.** Definitions and various forms of addiction; biological, psychological, social and family changes resulting from addiction; and intervention strategies. Emphasis is on how social workers use this information to address the problems of addiction through social work intervention with clients.

**SOWO 30533 Counseling Skills and Crisis Intervention in the Criminal Justice System.** An examination of theories and methods of professional intervention with emphasis on those professionals with clients in the criminal justice system. Focus is on the development of skills that can be applied to individuals, families, and groups in both community-based and institutional settings. This course is primarily for Criminal Justice majors and Social Work minors. (Offered as CRJU or SOWO credit.)

**SOWO 30543 Family Health Nursing.** Provides an introduction to family systems theory, family dynamics and their application to practice in nursing and allied health disciplines. Emphasis is on family assessment. Family diversity, families with a chronically ill or disabled member and informal caregiving are examined. Students will critically evaluate family health practices, including hospice, home-based care, and families in crisis. (Offered for NURS or SOWO credit.)

**SOWO 30553 Social Work with Adolescents.** Prerequisite: SOWO 10833 or permission of instructor. The problems and stresses of biological, psychological and social changes affecting adolescents are discussed. Emphasis is on how social workers use this information to address the problems of adolescent clients through intervention.

**SOWO 30563 Social Work and the Media.** Prerequisite: SOWO 10833 or permission of instructor. Introduces students to issues in American society, the social welfare system and the profession of social work as seen through film and other media forms.

**SOWO 30573 Child Welfare.** Prerequisite: SOWO 10833. The social welfare system as it affects children in American society. The historical development of the system, the existing structure and the processes through which present policies have been established. Child welfare agencies and programs, principles and policies on which children's services are based, social and legislative issues relevant to children and children's programs, and specific techniques for working with children are included.

**SOWO 30580 International Community Service (Mexico).** Provides the opportunity for students to study the language, culture and social service delivery system of Mexico. Students will participate in the Language Center Summer Courses Program of the University of Guanajuato.

**SOWO 30583 Issues in Diversity.** This course helps students distinguish between myth and reality about cultural, ethnic, gender, sexual orientation, age and ability differences by thinking critically about diversity. Applications to American and global societies are made and experiential content is stressed.

**SOWO 30813 Research Methods in Social Work.** Prerequisites: MATH 10043, and concurrent enrollment in SOWO 30883. Examines research methods to help students understand how social workers conduct research and how they use and evaluate research findings. Applications to practice are made and focus is on evaluating practice and assessing the effectiveness of programs. Students are taught to do research and to be consumers of research.

**SOWO 30823 Ethics in Social Work Practice.** Prerequisites: SOWO 10833. This course helps students become more aware of the ethical base of social work practice and strengthen their commitment to ethical behavior in impending practice and collegial relationships.

**SOWO 30843 Human Behavior and Social Environment I.** Prerequisite: SOWO 10833. Theories of human development and functioning within societal and family contexts. The life cycle of the individual from conception to adulthood. Theories of diversity and problem behavior. Effects of ethnicity, gender, ability, sexual orientation, lifestyle, socioeconomic status, age marginality and oppression on human development and social functioning.

**SOWO 30853 Human Behavior and Social Environment II.** Prerequisite: SOWO 10833. Theories of human development and functioning within societal and family contexts. The life cycle of the individual from adulthood to old age. Theories of diversity and problem behavior. Effects of ethnicity, gender, ability, sexual orientation, lifestyle, socioeconomic status, age, marginality and oppression on human development and social functioning.

**SOWO 30883 Generalist Practice with Individuals.** Prerequisites: SOWO 10833, 20813, 20863, 30893, and concurrent enrollment in SOWO 30813, or permission of the instructor. Knowledge, skills and value base used in the generalist practice of social work. Ecological approach using concepts, principles, and system perspectives applicable to a range of problem-solving situations requiring social work intervention. Individual, group and community interventive methods are presented. Study of case material and role playing exercises. Must be taken in the spring semester immediately prior to enrollment in SOWO 40886: Field Education I. If students postpone Field Education I, they are required to audit SOWO 30883 prior to entrance into the internship.

**SOWO 30893 Generalist Practice with Communities and Organizations.** Prerequisites: SOWO 10833, 20863. That practice aspect of social work concerned with the organization, planning and administration of social work services (as distinguished from provision of services directly to clients), and with the analysis and evaluation of policy and practice within the profession.

**SOWO 40003 Senior Honors Research Project.** Offered fall only. A supervised research experience culminating in the writing of a research paper typically based on the subject matter studied in SOWO 30003. The course is offered on a directed study basis and this must be arranged prior to the semester enrolled.

**SOWO 40510 Directed Study in Social Work.** Designed for students who undertake readings or projects in social work in consultation with an instructor. Offered on a Pass/No Credit basis only.

**SOWO 40520 Contemporary Topics in Social Work.** Topics of current interest in social work. Possibilities include Crisis Intervention, Suicide, Discrimination, Play Therapy, Intervention Techniques, AIDS, and Social Work with Special Client Populations.

**SOWO 40523 Law and Social Work.** Aspects of law relevant to social work practice: family relationships, legal offenders, the mentally ill, consumer protection, what constitutes negligence and malpractice by the social worker, law and ethics of confidentiality, collaboration with the legal profession and related issues.

**SOWO 40533 Advanced Generalist Practice with Families.** Prerequisite: SOWO 30883, or permission of instructor. The family as a system for social work intervention. Family forms, theories of family interaction, models of family intervention, and interventive skills are considered.

**SOWO 40543 Social Work with Older Adults.** Provides an opportunity to explore practice with older adults and their families. Explores direct practice roles, selected practice settings, and social policy issues.

**SOWO 40563 Death and Dying.** This course will give students an opportunity to explore and understand their perceptions and beliefs of death and dying and how individual cultural differences influence that experience and will prepare them for working with clients on grief and loss.

**SOWO 40883 Generalist Practice with Diverse Populations.** Prerequisite: SOWO 40893, to be taken concurrently with SOWO 40896. Study of social work practice theory, methods, and skills for working with diverse and oppressed populations. Concepts and principles related to culturally competent practice in a range of situations will be covered. Case materials and role playing exercises are included.

**SOWO 40886 Field Education I.** Prerequisites: SOWO 10833, 30813, 30823, 30843, 30853 and 30883; 2.25 GPA; 2.5 GPA in social work; faculty approval. Supervised field learning within a social work agency, providing the student an opportunity to learn the structure, function, and policies of social work agencies and apply his or her social work knowledge to the development of skills in human service delivery. The student will spend 16 hours per week for 15 weeks in an assigned agency (240 hours). Students also attend a weekly university-based seminar that helps students integrate classroom and field learning.

**SOWO 40893 Generalist Practice with Groups and Families.** Prerequisite: SOWO 30883 or permission of the instructor, must be taken concurrently with SOWO 40886. A continuation of the study of the methods, skills, and value base used in the practice of social work. Concepts and principles applicable to a range of situations requiring social work intervention to deepen understanding of the interventive process with groups and families. Further study of case material and role playing exercises is included.

**SOWO 40896 Field Education II.** Prerequisites: SOWO 40886; 2.25 GPA; 2.5 GPA in social work. A continuation of SOWO 40886: Field Education I which helps to extend and deepen, under professional guidance, the development of practice skills with clients. The student will spend 16 hours per week for 15 weeks in an assigned agency (240 hours). Students also attend a weekly university-based seminar which helps students integrate classroom and field learning.



## College of Science & Engineering

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### Overview

The College of Science and Engineering is composed of the departments of Biology, Chemistry, Computer Science, Engineering, Geology, Mathematics, Nutritional Sciences, Physics and Astronomy, and Psychology, the goals of the college are to support the mission of the University; to integrate the research and undergraduate teaching missions; to prepare majors for careers and further study in science, mathematics, and engineering; to assist in the preparation of highly qualified K-12 mathematics and science teachers; and to provide experiences for all TCU students that will facilitate their becoming and continuing to be scientifically and mathematically literate citizens.

The college offers Bachelor of Science degrees with majors in 19 fields of study and Bachelor of Arts degrees with majors in 6 fields. The college also administers the Bachelor of General Studies degree. In conjunction with the Program in Ranch Management, a program leading to the B.S. degree with a major in Ranch Management is available through the College of Science and Engineering. Students in the degree program are advised by a designated representative of the dean of the college and should consult with the advisor early in their degree program. Minors are available in 14 fields.

The college is responsible for the Pre-Health Professions programs (pre-dentistry, pre-medicine, pre-veterinary medicine). The college also works in conjunction with the School of Education to offer a 3-2 program leading to a Master of Education degree and with the School of Business to offer a 3-2 program leading to a Master of Business Administration.

Sid W. Richardson houses departmental offices of Chemistry, Geology, and Physics and Astronomy. Biology and Psychology are in Winton-Scott Hall. Nutritional Sciences are in the Annie Richardson Bass Building. College administrative offices and departmental offices for Computer Science, Engineering, and Mathematics are located in the Tucker Technology Building.

Our college faculty are committed to teaching, and are actively engaged in scholarly activity that contributes to their profession and informs their teaching on all levels. Opportunities for participation in research exist in every department and program of the college. Many faculty involve undergraduates in their research programs. These students often work jointly with graduate students and postdoctoral associates in departments where graduate programs exist. To assist in these activities, the college houses SERC (Science and Engineering Research Center) to serve as a gateway of support for undergraduate and graduate research activities. Students may also join ASPIRE, the student-run research organization.

### Organization

The College of Science and Engineering is organized into 9 departments.

#### Departments:

Biology  
Chemistry  
Computer Science  
Engineering  
Geology  
Mathematics  
Nutritional Sciences  
Physics and Astronomy  
Psychology

#### Interdepartmental programs:

Environmental Earth Resources (Geology)  
Environmental Science (Biology and Geology)  
Neuroscience (Psychology)  
Pre-Health Professions  
Ranch Management

#### Cooperative programs:

Master of Education (3-2 program with School of Education)  
Master of Business Administration (3-2 program with M.J. Neeley School of Business)

### Degree Programs

The College of Science and Engineering administers programs which lead to the following baccalaureate degrees:

**The Bachelor of Arts** degree with majors in the following fields:

Biology  
Chemistry  
Geology  
Mathematics  
Physics

## Psychology

**The Bachelor of Science** degree with majors in the following fields:

Astronomy and Physics  
 Biochemistry (Chemistry)  
 Biology  
 Chemistry  
 Combined Science (Pre-Health Professions)  
 Computer Information Technology (Computer Science)  
 Computer Science  
 Dietetics (Nutritional Sciences)  
 Engineering  
 Environmental Science (Biology and Geology)  
 Environmental Earth Resources (Geology)  
 Food Management (Nutritional Sciences)  
 Geology  
 Mathematics  
 Neuroscience (Psychology)  
 Nutrition (Nutritional Sciences)  
 Physics  
 Psychology  
 Ranch Management

## The Bachelor of General Studies degree

### Minors

Astronomy  
 Biology  
 Chemistry  
 Combined Science  
 Computer Information Technology  
 Computer Science  
 Environmental Science  
 Geology  
 Health Care Ethics  
 Mathematics  
 Nutrition  
 Physics  
 Psychology  
 Ranch Management

Minors for students majoring in the College of Science and Engineering are also accepted from AddRan College of Humanities and Social Sciences, the College of Fine Arts, the College of Communication, School of Education, the School of Business (General Business), and the College of Health and Human Sciences.

## The Bachelor of Arts Degree

Students pursuing a program leading to a Bachelor of Arts degree must complete a minimum of 124 semester hours, 42 of which must be advanced (30000 level or above) from TCU, with a major and a minor selected from the approved list of majors and minors. The specific number of hours required for the major and minor may be found in the appropriate section of this Bulletin.

In addition, students must complete the TCU Core Curriculum (TCU CC) described elsewhere in this Bulletin.

**FOREIGN LANGUAGE REQUIREMENT.** All students pursuing the Bachelor of Arts degree in the College of Science and Engineering must demonstrate competency in a foreign language equivalent to the completion of one of the following:

FREN 20063 Fourth Semester College French  
 GERM 20063 Intermediate German  
 GREE 20063 Fourth Semester College Greek (Hellenistic)  
 ITAL 20063 Fourth Semester College Italian  
 JAPN 20063 Fourth Semester College Japanese  
 SPAN 20203 Intermediate Spanish

This requirement may be satisfied by either satisfactory completion of coursework taken at or transferred to TCU or by presenting satisfactory scores on recognized standardized tests (i.e., AP, CLEP, or SAT II). Required scores on standardized tests may be found in the Credit by Exam booklet available from the Office of Admissions. For languages not currently taught at TCU, six semester hours at the sophomore-level, transferred to TCU from another accredited institution, may be used to satisfy this requirement. Students may also provide evidence of competency in the non-English language by successfully completing one academic year in a secondary or post-secondary institution in which the language of instruction is other than English, for which the student will receive 12 hours of credit.

## The Bachelor of Science Degree

Students pursuing a program leading to a Bachelor of Science degree must complete the minimum number of semester hours (typically 124 or 132), 42 of which must be advanced (30000 level or above) from TCU, specified for their particular major. Specific requirements of each major are to be found in the appropriate section of this bulletin. Where a minor is called for, it is to be selected with the assistance of the student's adviser from the list of approved minors.

In addition to the specific requirements, students must complete the TCU Core Curriculum (TCU CC) described

elsewhere in this Bulletin.

### **Multiple Majors**

Students with a first major in Science and Engineering may declare an additional major in lieu of or in addition to a minor on either a B.A. or B.S. degree. The additional major may be selected from the list of Science and Engineering approved majors or may be selected from majors available in other TCU schools and colleges. Students seeking an additional major in a school or college other than Science and Engineering must have the approval of the dean of Science and Engineering and the dean of the additional major.

Students with a first major in another TCU school or college may select additional majors from those available in Science and Engineering with the approval of the dean of the first major and the dean of Science and Engineering. Students whose first major is in a TCU school or college other than Science and Engineering and who seek a second major from Science and Engineering need only satisfy the UCR requirements of the first major with one exception. If the student is meeting requirements of a Science and Engineering B.A. degree, the language requirement of 6 hours in the same foreign language at or above the 20000 level must be satisfied.

The degree awarded will be that appropriate to the major designated as the first major. All degree requirements for each major must be satisfied. These include all University Curriculum Requirements (UCR) associated with any particular major as well as all associated requirements.

### **Transfer Credit**

Students wishing to take courses at another college or university following their admission to Texas Christian University must receive approval of such courses through the office of the Dean of College of Science and Engineering **before** enrolling in them.

### **Pass/No Credit Option**

The department of the major controls acceptability of P/NC for studies in both the major and minor, if any. For a specific major, consult the appropriate section of the Science and Engineering section of this Bulletin. The P/NC option is not allowed in any English as a Foreign Language course offered by the English Language Center.

# Biology

## [Prerequisites](#)

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## **(BIOL)**

Available as a major or minor on the B.A. and B.S. degrees.

The B.A. is provided for the student who has a general interest in the biological sciences but who does not plan to pursue advanced work in graduate school or undertake professional achievements in biological sciences. Students who may plan a graduate program in biological sciences should enroll in the B.S. curriculum. Those who plan to apply to a medical college, dental college, or other professional program must meet additional requirements of such schools.

## **Prerequisites**

Biology 10504-10514 or the equivalent are prerequisites to all other courses in the department except 20204-20214, 20233, 30233, 30613, and 30803. Credit will not be given for both 20233 and 30303.

## **Requirements for the B.S. degree with a major in Biology**

A minimum of 36 semester hours in Biology as follows: (1) BIOL 10504 and BIOL 10514, (2) BIOL 30403, (3) BIOL 30603, (4) BIOL 40021, (5) 21 additional hours in Biology including a minimum of 3 courses with laboratories (one of which may be either BIOL 40033, 40803 or 40900.) **Associated requirements:** CHEM 10113, 10125, or 10123 and 20123, 30123, 30122, and 30133; PHYS 10154, 10164; MATH 10043 or MATH 10524; additional courses in mathematics, computer science or statistics are encouraged. The total semester hours for the B.S. degree is 132.

## **Requirements for the B.A. degree with a major in Biology**

A minimum of 27 semester hours of Biology as follows: (1) BIOL 10504 and 10514, (2) BIOL 30403, (3) BIOL 30603, (4) BIOL 40021, (5) 12 additional approved hours in Biology including a minimum of 2 courses with laboratories (excluding BIOL 40033, 40803, and 40900). Students who do not present credit for a high school course in chemistry will take one year of college chemistry. One year of high school or college physics is also advised. A total of 124 semester hours is required.

## **Requirements for a minor in Biology**

A minimum of 21 semester hours of Biology including a minimum of three upper division (30000 or above) courses.

**For the Combined Science minor on the B.A. degree**, the following courses may be applied: Biology 10504-10514, 20204, 20214, 20233 (or 30303), 30104, 30504, 30603, 40223.

## **Honors Program**

Biology majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in BIOL 40001 during their junior year and BIOL 40033 during the fall semester of their senior year. They will be given an incomplete in BIOL 40033 during the end of the fall semester, and will receive credit for the course in the spring after successfully completing a senior honors research project.

## **Sigma Xi**

The department is a sponsor of Sigma XI, the Honor Society for Research in the Natural Sciences.

## **Pass/No Credit Option**

Courses for the major (including associated requirements) and the minor may not be taken on a Pass/No Credit basis. The only exception is Biol 30011.

## **Courses of Instruction**

**BIOL 10003 Contemporary Issues in Biology.** Two hours lecture and one two-hour laboratory period per week. A study of biology spanning contemporary issues in the biological sciences from the cellular and molecular to the ecosystem levels of biological organization. Laboratory experiences will utilize the biology computer lab for many of the laboratory exercises. Traditional laboratory exercises will also be included. Designed for non-science majors. Credit may not be earned for BIOL 10003 and any of the following biology courses: 10103, 10113, or 10213.

**BIOL 10433 Freshman Seminar in Biology.** Topics may vary each time it is offered.

**BIOL 10504 Principles of Life Sciences.** Three hours lecture and one laboratory per week. Prerequisite: A senior high school course in Biology or Chemistry. Origin of the universe and evolution of life forms the molecular level to the eukaryotic cell. Introduces the basic principles of cell structure, metabolism, Mendelian and quantitative genetics. This course is prescribed for each student declaring a major interest in Biology, Premedical or Pre dental programs.

**BIOL 10514 Principles of Life Sciences.** Three hours lecture and one laboratory per week. Prerequisite: BIOL 10504. Evolution of plants and animals with an introduction to principles of natural selection, population genetics,

taxonomy, anatomy and physiology. This course is prescribed for each student declaring a major interest in Biology, Premedical or Pre dental programs.

**BIOL 10970 Special Problems: Lower Division.** Special problems.

**BIOL 20204 Anatomy and Physiology.** Three hours lecture and one laboratory period per week. The structure and function of cells and tissues; the architectural plan of the human body, and the integumentary, skeletal and muscular systems. Not available for students who are Biology majors or minors or are in the pre-medical/pre-dental program.

**BIOL 20214 Anatomy and Physiology.** Three hours lecture and one laboratory period per week. Prerequisite: BIOL 20204 or permission of instructor. Structure and function of the nervous, circulatory, digestive, respiratory, excretory, reproductive and endocrine systems of the human body. Not available for students who are Biology majors or minors or are in the pre-medical/pre-dental program.

**BIOL 20233 Basic Microbiology.** Two hours lecture and one laboratory period per week. Microorganisms and the manner in which they affect health; characteristics, growth requirements, methods of transfer, and reactions of the body toward invading organisms and the principles underlying immunity. Not available for students who are Biology majors or minors or are in the pre-medical/pre-dental program.

**BIOL 30003 Biological Issues in Public Health.** Prerequisites: BIOL 10504 and 10514. Examination of the biological basis behind a variety of current issues in public health. Critical analysis of these issues through lectures, class discussion and debate.

**BIOL 30104 Comparative Invertebrate Zoology.** Three hours lecture and one laboratory period per week. Advanced study of ecology, phylogeny, and comparative morphology of invertebrate animals.

**BIOL 30124 Biology of the Vertebrates.** Three hours lecture and one laboratory per week. Systematics, evolution, distribution, life histories and special adaptations of the vertebrate animals.

**BIOL 30233 Economic Botany.** Prerequisite: 10504, 10514. The economic importance of plants for food, building, material, clothing, fuel, medicine, oils, dyes and other products.

**BIOL 30303 Microbiology.** Prerequisite: CHEM 10113-10123, or CHEM 10114-10124. A general course in microbiology. Two hours lecture and one laboratory period per week.

**BIOL 30323 Introduction to Marine Science.** Three hours of lecture per week. A study of the oceans including physiography, chemical, physical, biological, and geological processes and related products. (Offered as BIOL or GEOL credit.)

**BIOL 30403 Ecology.** Prerequisites: BIOL 10504-10514. Three hours lecture per week. Principles of plant and animal ecology with introduction to terrestrial and aquatic ecosystems.

**BIOL 30404 Comparative Vertebrate Anatomy.** Two hours lecture and two laboratory periods per week. A comparative study of the morphology systems of chordates.

**BIOL 30463 Physiological Psychology.** Three lectures per week. Prerequisite: PSYC 10213, 10514, 10524 or its equivalent. Study of the nervous system, action systems, and sensory systems as background for the physiological bases of discrimination, motivation, emotions, and learning. Also offered as Psychology 30463.

**BIOL 30504 Plant Biology.** Three hours lecture and one laboratory period per week. Study of the morphology, life history, physiology, ecology, evolution and socio-economic aspects of plants. Coverage includes the cyanobacteria, fungi and algae.

**BIOL 30603 Cellular, Molecular, and Developmental Biology.** Prerequisites: BIOL 10504-10514. Three hours lecture per week. Basic structure and function of plant and animal cells; molecular genetics of cells and organisms; mechanisms governing cell reproduction and differentiation.

**BIOL 30613 Natural History.** Two hours lecture and one hour of laboratory per week. A survey of some of the diverse habitats and lifeforms on earth, with an emphasis on North American ecosystems. Arctic tundra, forests, swamps, aquatic habitats, deserts, and mountains are considered in light of the unique adaptations required for associated fauna and flora, and especially, some of the challenges they face in the modern world. The course is designed for students with broad interests in science, especially environmental science and education majors and is also suitable for non-science majors. This course cannot be applied toward the biology course requirements for a biology major.

**BIOL 30703 Plant Systematics.** Two hours lecture and one laboratory period per week. Characteristics of the major groups and families of flowering plants. Basic history and general principles of taxonomy and fundamental concepts of phylogeny and plant evolution. Identification of plants represented in the local flora.

**BIOL 30803 History of Biology.** The course traces the origin and historical development of basic concepts in biology, including the background and the work of persons who significantly contributed to the understanding and formulation of biological concepts.

**BIOL 40001 Honors Seminar.** Honors Seminar.

**BIOL 40011 Honors Seminar.** Honors Seminar.

**BIOL 40021 Introduction to Biological Research.** One hour lecture per week acquainting students with the diversity of research approaches and techniques used in the field of biology. All students enrolled in the course will take the Major's Field Test in Biology. Prerequisites: BIOL 10504, 10514, 30403 and 30603.

**BIOL 40033 Senior Honors Research in Biology.** Senior honors research in Biology.

**BIOL 40123 Genetics.** Prerequisites: BIOL 10504-10514, 30603; CHEM 10113, 10123, 10122 OR 10114,

10124, 30123 or concurrent enrollment. Three hours of lecture per week. Survey course in the study of mechanisms of inheritance with particular emphasis on molecular genetics.

**BIOL 40133 Molecular Biology of Eukaryotes.** Prerequisites: BIOL 10504-10514, 30603; CHEM 30123 (or concurrent enrollment) or permission of instructor. Two hours of lecture and one laboratory period per week. A study of the molecular mechanisms of basic biological processes in eukaryotes with emphasis on gene regulation, the structure and function of macromolecules, cell growth and differentiation, mechanisms of diseases and applications in biotechnology.

**BIOL 40143 Genetics Laboratory.** Two three-hour laboratories plus associated lectures each week. Prerequisites: BIOL 30603 and 40123. Experiments that illustrate the basic principles of transmission and molecular genetics.

**BIOL 40203 Histology.** Prerequisite: BIOL 30603 or permission of the instructor. Two hours lecture and one laboratory period per week. Study of basic tissues of the vertebrate body and how they differentiate.

**BIOL 40223 Developmental Biology.** Prerequisite: BIOL 30603 or permission of the instructor. Two hours lecture and one laboratory period per week. An introduction to developmental biology and embryology. Modern molecular and genetic techniques will be combined with classic anatomical embryology.

**BIOL 40253 Immunology.** Prerequisites: CHEM 30123, BIOL 30303 or 20233 or permission of instructor. Two hours lecture and one laboratory period per week. The immune system; characteristics of antigens; antibodies and their reactions; cellular and humoral aspects of immunity; immune disorders.

**BIOL 40300 The Teaching of Biology.** Prerequisite: Written permission of the instructor of the course in which the student plans to serve. Students attend laboratory-staff meetings and serve as laboratory instructors of one section per week in various courses. For 1.5 semester hours credit.

**BIOL 40310 The Teaching of Biology.** Prerequisite: Written permission of the instructor of the course in which the student plans to serve. Students attend laboratory-staff meetings and serve as laboratory instructors of one section per week in various courses. For 1.5 semester hours credit.

**BIOL 40404 General Animal Physiology.** Three hours lecture and one laboratory period per week. Prerequisites: PHYS 10153-51, 10161-61, and CHEM 30123, 30122, 30133, or permission of instructor. Basic functions of animal bodies will be studied in terms of physical and chemical principles; quantitative physiological experiments will be demonstrated and conducted.

**BIOL 40501 Basic Biochemistry Laboratory.** See Chemistry Prerequisite: Prior completion or co-registration in BIOL 40503. One three-hour laboratory per week. Analysis of chemicals found in body fluids. Includes clinical methods and pathology.

**BIOL 40503 Basic Biochemistry.** See Chemistry Prerequisite: CHEM 30123 or equivalent. Three hours lecture per week. Fundamental chemical properties, analysis techniques, metabolism and clinicopathology of proteins, lipids, carbohydrates, enzymes and hormones.

**BIOL 40603 Virology.** Prerequisites: BIOL 10504, 30603, 40123. Three hours of lecture per week. Survey of viruses, molecular biology of virus life cycles, viral pathogenesis and gene therapy using viral vectors.

**BIOL 40603 Virology.** Virology

**BIOL 40803 Biological Research and Writing.** Field and laboratory research experiences for advanced students. Nine clock hours per week are required total 135 hours per semester. Upon completion of an independent research project, the results will be written in a format suitable for publication in the scientific literature. Credit will not be given for both BIOL 40803 and BIOL 40900 for the same project. A student may receive credit for this course only one time. Does not substitute for BIOL 40033.

**BIOL 40900 Senior Problems in Biology.** Field and laboratory problems for advanced students. Nine clock hours per week of laboratory and/or field work are required for each semester hour of credit, for up to a total six semester hours of credit. A student may receive only three hours of credit in the major for this course. Three hours of credit may also be taken for university electives. If a student has been enrolled in or will enroll in BIOL 40033 or BIOL 40803, then only up to three hours of BIOL 40900 may be taken for university elective credits.

**BIOL 50103 Terrestrial Ecosystems.** Three hours lecture per week. Prerequisite: BIOL 30403 or permission of instructor. Concepts, principles, and mechanisms of the function of terrestrial ecosystems, including ecophysiology of component species, nutrient cycling, energy flow, ecosystem stability and global ecology.

**BIOL 50133 Biochemistry.** Prerequisite: CHEM 30133, 40113 or permission of the instructor. Three lecture hours per week. A general survey of structure and function of biologically important compounds with methods of analysis. (Offered as BIOL or CHEM credit.)

**BIOL 50143 Biochemistry.** Prerequisite: CHEM or BIOL 50133. Biosynthesis, replication of DNA, synthesis and processing of RNA and proteins, and special topics e.g. brain and muscle functions, hormones and signal transduction, cancer, development, etc. (Offered as BIOL or CHEM credit.)

**BIOL 50246 Biodiversity.** Prerequisites: Two semesters of college-level biology courses. This course introduces skills to describe and study the diversity of life. It is immersion, field-intensive instruction. General concepts include patterns of global biodiversity, biogeography of the Southern Plains, conservation biology, pressures on biodiversity, and national/international biodiversity protection efforts and policies. Field skill instruction starts with context description, emphasizing vegetation structure, followed by plant community description. Subsequent modules focus on inventorying animal communities, starting with insects and continuing with freshwater invertebrates, fish, amphibians, reptiles, birds and mammals. The field skill component of the course concludes with a week-long exercise in habitats outside of north-central Texas. Biodiversity information management is learned by developing a relational database coupled with a local Geographic Information System.

**BIOL 50303 Systematics and Evolution.** Three hours lecture per week. Prerequisite: BIOL 30403. Concepts of classical and numerical taxonomy and the principles of phylogeny, organic evolution and speciation.

**BIOL 50313 Biogeography.** Prerequisite: BIOL 30403 or permission of instructor. Three hours lecture per week. An ecological approach to the study of the distribution of plant and animal communities.

**BIOL 50324 Techniques in Cell and Molecular Biology.** Three hours of lecture and one 3-hour laboratory per week. Prerequisite: Concurrent enrollment in BIOL or CHEM 50133 or equivalent and permission of instructor. Survey of techniques central to molecular and cellular biology, including centrifugation, chromatography, electrophoresis, spectrophotometry and radioisotopes.

**BIOL 50463 Fundamentals of Neuroscience.** Prerequisite: Graduate or senior standing or approval of the instructor. The fundamentals of functional neuroanatomy and neurophysiology with an emphasis on experimental and theoretical analysis of the basic brain behavior relationships. (Offered as BIOL or PSYC credit.)

**BIOL 50472 Laboratory in Physiological Psychology and Neuroscience.** Prerequisite: PSYC 30463 or its equivalent or PSYC 50653 or its equivalent, or concurrent registration in either PSYC 50436 or PSYC 30463. One lecture and one laboratory per week. Emphasis will be on the laboratory techniques employed in physiological psychology and neuroscience in analyzing the neural and hormonal correlates of behavior (Offered as BIOL or PSYC credit)

**BIOL 50482 Laboratory in Physiological Psychology and Neuroscience.** Prerequisite: PSYC 30463 or its equivalent or PSYC 50653 or its equivalent, or concurrent registration in either PSYC 50436 or PSYC 30463. One lecture and one laboratory per week. Emphasis will be on the laboratory techniques employed in physiological psychology and neuroscience in analyzing the neural and hormonal correlates of behavior (Offered as BIOL or PSYC credit)

**BIOL 50502 Biochemistry Laboratory.** Two four-hour laboratory periods per week. Prerequisite: CHEM 50143 or concurrent registration. (Offered as BIOL or CHEM credit.)

**BIOL 50602 Preparation of Environmental Impact Statements.** Two laboratory periods per week. The methodology of environmental impact statement preparation from initial collection of data to final report drafting is covered. The course is problem-oriented; students are taught to take the initiative in EIS preparation. (Offered as BIOL or GEOL credit.)

**BIOL 50703 Ecology of Lakes and Streams.** Prerequisite: BIOL 30403 or permission of instructor. Two hours of lecture and one laboratory period per week. Study of the physical, chemical and biological factors affecting the ecology of lakes, ponds and streams.

**BIOL 50713 Marine Ecology.** Prerequisite: BIOL 30403 or permission of the instructor. Two hours of lecture and one laboratory per week. A study of marine communities and factors that influence the distribution of marine organisms. At least one field trip to the Texas coast to sample marine communities. Samples collected during the field trip will be analyzed by students in the laboratory.

**BIOL 50773 Introduction to Environmental Law.** Three hours lecture per week. Introduction to and analysis of selected federal statutes regulating environmental degradation and environmental clean-up, including the National Environmental Policy Act and regulation of air quality, water quality, wastes, hazardous and toxic substances and enforcement. (Offered as BIOL or GEOL credit.)

**BIOL 50803 Ecology of Fishes.** Prerequisite: BIOL 30403 or permission of instructor. Two hours of lecture and one laboratory period per week. Ecology of fishes, basic techniques of fisheries management.

**BIOL 50883 Introduction to Environmental Engineering Technology.** Introduction to fundamentals of pollution control technology; impact of federal and state legislation on the construction, modification and control of industrial plants. Other topics include hazardous pollutants, modification to ambient quality, and basic pollution modeling. (Offered as BIOL or GEOL credit.)

**BIOL 50903 Tropical Biology.** Two hours lecture per week, one week of field work in the tropics and a terminal project. Prerequisites: Six semester hours in Biology; travel costs are exclusive of tuition; permission of instructors. Systematics and ecology of tropical marine invertebrates and terrestrial vertebrates with emphasis on Cnidarians, Arthropods, Mollusks and Reptiles.

**BIOL 50910 Biology Seminar.** 1. The primary goal is to acquaint the student with the preparation and presentation (oral and/or written) of scientific information from the biological literature. May be repeated for credit with different topics to a maximum of 3 times (one semester hour per topic). 2. Acquainting the student with the preparation and presentation (oral and/or written) of scientific information from the biological literature. May be repeated for credit with different topics to a maximum of 3 times. (One semester hour per topic.)

**BIOL 50923 Herpetology.** Two hours lecture and one three-hour laboratories per week. Prerequisite: Permission of the instructor. Classification, laboratory, and field identification and seminars on natural history, ecology, evolution and behavior of reptiles and amphibians.

## Business (3-2 Program)

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### Overview

The College of Science and Engineering and M.J. Neeley School of Business offer a combined program leading to a bachelor's degree in Arts and Sciences and a master's degree in Business Administration (MBA). The Three-Two Program, as it is called, takes five years to complete. (Note: Students intending to pursue the 3-2 program should make their plans known, as early as possible, to the Science and Engineering Dean's Office.)

Students interested in the program spend the first three years in Science and Engineering completing the University Curriculum Requirements and meeting the requirements of their major field. During the third year of study, application is made to the MBA program. To be considered for admission, applicants must have completed, or anticipate completing by the end of the third year, a minimum of 100 hours in nonbusiness courses and finished all major requirements and UCR requirements. Applicants must submit the usual application materials, including scores from the Graduate Management Admission Test (GMAT), and must present above-average academic records.

If admitted, a student enters the MBA phase of the Three-Two program in the fourth year of study at TCU. The first year of the MBA meets the minor requirements of the undergraduate degree. After successful completion of the first year of the MBA program, the student may petition the Dean of Science and Engineering to be awarded the undergraduate degree.

Business is available as a minor on the B.A. and B.S. degrees. For requirements, see the School of Business section.



# Chemistry

[Requirements for the B.S. Degree with a major in Chemistry](#)

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## (CHEM)

Available as a major or minor on the B.A. and B.S. degrees. Biochemistry available as a major on the B.S. degree.

### Requirements for the B.S. Degree with a major in Chemistry

A minimum of 38 hours, on a 132-hour degree, consisting of CHEM 10113-10125, (or 10113, 10123, and 20123), 30123-30133, 30122-30132, 40091, 40123-40133, 40121-40131, 50163, 40172 or 50162, 40200 (3 hours) or 40003-40013, and one additional advanced course selected from 50282, 50133, or 50223.

Professional certification by the American Chemical Society requires the inclusion of CHEM 20123, 40172, 50162, 50133, and 50282, resulting in a minimum of 43 hours of chemistry. **Associated Requirements:** PHYS 10154 and 10164 (or 20474 and 20484); MATH 10524 and 20524. MATH 30524 is recommended for CHEM 50282.

### Requirements for the B.S. Degree with a major in Biochemistry

A minimum of 38 hours, on a 132-hour degree, consisting of CHEM 10113-10125, (or 10113, 10123 and 20123), 30123-30133, 30122-30132, 40091, 40123, 40121, 40200 (3 or 4 hours) or 40003-40013, 50163, 50133-50143, and 50502. Professional certification by the American Chemical Society requires the inclusion of CHEM 20123, 40172, 40133, and 40131, resulting in a minimum of 44 hours of chemistry. **Associated**

**Requirements:** BIOL 10504, 10514, 30603, and one of the following: BIOL 40123, 40133, or 40404. PHYS 10154 and 10164 (or 20474-20484); MATH 10524 and 20524.

### Requirements for the B.A. Degree with a major in Chemistry.

A minimum of 24 hours consisting of CHEM 10113-10125, (or 10113, 10123, and 20123), 30123, 30122, 40123, 40121, 40091, and suitable electives chosen from upper level courses (30000 or above) with the exclusion of 40503, 50111, and 50120. No more than 2 hours of research (40200 or 40003-40013) may contribute to the 24-hour minimum. Associated Requirements: MATH 10524. Any minor approved by the College of Science and Engineering is acceptable. The B.A. degree in Chemistry is devised for students with a general interest in the field who do not plan to pursue graduate studies in Chemistry. Students planning a professional career in Chemistry are strongly advised to satisfy the requirements of the B.S. degree.

### Requirements for the minor in Chemistry

A minimum of 18 semester hours to include CHEM 10113-10125, (or 10113, 10123, and 20123), 30123-30122, 40091, and suitable electives chosen from upper level courses (30000 or above) with the exclusion of 40200, 40503, 50111, and 50120.

### Honors Program

A student may obtain Department Honors in Chemistry by successfully completing 6 hours of senior honors research (CHEM 40003 and 40013) or three hours of senior honors research plus three hours of study in a course approved by the department as one promoting the student's development as a research scholar. Such a course should be in addition to those normally required to achieve the baccalaureate degree. Requirements also include the writing of a Senior Honors Research paper which is approved by an appropriate committee and the achievement of an overall GPA of 3.5 or greater.

### Sigma XI

The department is a sponsor of the TCU Chapter of Sigma XI.

### Pass/No Credit Option

Courses to be applied toward the major or minor may not be taken on the Pass/No Credit basis.

NOTE: Credit will not be awarded for more than one of the general chemistry sequences (10113-10125 or 10113-10123-10122).

On special occasions, a given prerequisite may be waived at the discretion of the instructor.

### Courses of Instruction

**CHEM 10113 General Chemistry.** Three lecture hours per week. Introduction to the principles of chemistry, illustrating the central position of the discipline among the sciences.

**CHEM 10114 General Chemistry (Honors).** Three hours of lecture and one 3-hour laboratory per week. A study of chemical structure, states of matter and chemical dynamics with emphasis on the quantitative nature of the science of chemistry.

**CHEM 10122 General Chemistry Laboratory.** One lecture and one 3-hour laboratory session per week. Prerequisites: CHEM 10113 and prior or concurrent enrollment in CHEM 10123.

**CHEM 10123 General Chemistry.** Three lecture hours per week. Introduction to the principles of chemistry, illustrating the central position of the discipline among the sciences. (Successful completion of CHEM 10113 or the

equivalent is a prerequisite for CHEM 10123.)

**CHEM 10124 General Chemistry (Honors).** Three hours of lecture and one 3-hour laboratory per week. A study of chemical structure, states of matter and chemical dynamics with emphasis on the quantitative nature of the science of chemistry.

**CHEM 10125 General Chemistry with Laboratory.** Three hours lecture, one 3-hour laboratory, and one 1-hour lab lecture per week. Prerequisites: CHEM 10113. The second of a two-semester sequence in introductory chemistry. Selected concepts regarding chemical equilibria, kinetics, electrochemistry, and introductory organic chemistry.

**CHEM 10163 General Chemistry for Non-Science Majors.** Three hours lecture, and one three-hour laboratory period per week. Topics of interest to students e.g. drugs, AIDS, etc. and national and international problems such as air and water pollution will be examined to understand their chemical origins and potential solutions.

**CHEM 20123 Quantitative Analysis.** Prerequisites: CHEM 10113, and prior or concurrent enrollment in CHEM 10123. One hours lecture and two laboratory periods per week. Exposure to techniques, theory, and laboratory practice of quantitative chemical analysis, focusing on gravimetric and volumetric analysis. Students will also gain an introductory understanding of instrumental methods of chemical analysis.

**CHEM 30122 Organic Chemistry Laboratory.** One hour of lecture and one 4-hour laboratory per week. Prerequisite: CHEM 10122-10123, 10124, 10125, or 20123 and prior or concurrent registration in CHEM 30123. Techniques of purification, characterization, and synthesis of organic compounds.

**CHEM 30123 Organic Chemistry.** Three hours of lecture per week. Prerequisite: CHEM 10122-10123, 10124, 10125, or 20123. A survey of the classes of organic compounds with regard to nomenclature, structure, and reactions.

**CHEM 30132 Organic Qualitative Analysis.** One hour of lecture and one 4-hour laboratory per week. Prerequisite: CHEM 30123, 30122 and 30133 or concurrent registration. Chemical and instrumental means of identifying unknown organic substances.

**CHEM 30133 Organic Chemistry.** Three hours of lecture per week. Prerequisite: CHEM 30123. Stereochemistry, organic reaction mechanisms, and synthesis of organic compounds.

**CHEM 40003 Senior Honors Research Project.** A project in chemical research carried out under the direction of a member of the chemistry faculty and designed to partially fulfill the requirements for Departmental Honors in Chemistry. Hours arranged.

**CHEM 40013 Senior Honors Research Paper.** A project in chemical research carried out under the direction of a member of the chemistry faculty and designed to partially fulfill the requirements for Departmental Honors in Chemistry. Hours arranged.

**CHEM 40091 Senior Seminar.** The chemical literature, modern research techniques and recent developments in chemistry are discussed. This is a capstone course to be taken by Chemistry and Biochemistry majors and those pursuing a minor in Chemistry in the spring semester of their senior year.

**CHEM 40121 Physical Chemistry Lab I.** One 4-hour laboratory period per week. Prerequisite: Prior or concurrent enrollment in CHEM 40123. Laboratory experiments designed to convey fundamental principles of physical chemistry, especially measurements relevant to selected biomolecules.

**CHEM 40123 Physical Chemistry.** Three hours lecture per week. Prerequisite: CHEM 10123 and 10122, prior or concurrent enrollment in MATH 10524. Studies of the fundamental physical principles relating to the field of chemistry, with an emphasis on thermodynamics and electrochemistry.

**CHEM 40131 Physical Chemistry Lab II.** Prerequisites: Prior or concurrent enrollment in CHEM 40133. One 4-hour laboratory period per week. Laboratory experiments designed to establish the principles of physical chemistry and methods of physical chemical measurements.

**CHEM 40133 Physical Chemistry II.** Three hours lecture per week. Prerequisites: CHEM 40123, MATH 20524, PHYS 20483 or PHYS 10163 (or concurrent enrollment). Continuation of studies of the fundamental physical principles relating to the field of chemistry, with an emphasis on quantum chemistry, spectroscopy, and kinetics.

**CHEM 40172 Chemical Instrumentation.** One hours lecture and one four-hour lab period per week. Prerequisite: CHEM 40123 and CHEM 40121. Theory and application of instrumental methods relevant to the analysis of small molecules and useful macromolecules. Includes electronic, vibrational, NMR, and mass spectroscopic techniques.

**CHEM 40200 Undergraduate Research.** A project in chemical research carried out under the direction of a member of the chemistry faculty. The student must have permission from the supervising faculty member prior to registration. (1-3 semester hours).

**CHEM 40501 Basic Biochemistry Laboratory.** Basic biochemistry lab.

**CHEM 40503 Basic Biochemistry.** Biology 40503 Two hours lecture and one laboratory period per week. Prerequisite: CHEM 30123 or equivalent. Fundamental chemical properties of amino acids, proteins, nucleic acids, carbohydrates and lipids. Emphasis is placed on the techniques of analysis of these compounds. Available for chemistry credit only to majors in Nutrition and Dietetics.

**CHEM 50001 Laboratory Safety.** Required of all graduate students in chemistry, this course deals with the safe handling of chemicals, the inventory and safe disposal of chemicals, safe handling of radioactive materials and lasers

as well as details of federal, state and city regulations that apply to safety in academic and industrial laboratories. The course is also required of students who will be handling radioactive materials and is highly recommended for all other graduate students in the physical sciences.

**CHEM 50111 Laboratory Glassblowing.** One 4-hour laboratory period per week. An introduction to the preparation of laboratory research equipment constructed of sodium and borosilicate glass.

**CHEM 50120 Teaching of Chemistry.** Prerequisite: Permission of the instructor. Members of this class act as Chemistry laboratory assistants. Techniques of laboratory instruction are illustrated and the importance of laboratory safety is stressed. 1-3 semester hours.

**CHEM 50133 Biochemistry.** Prerequisite: CHEM 30133, 40113 or permission of the instructor. Three lecture hours per week. A general survey of structure and function of biologically important compounds with methods of analysis. (Offered as BIOL or CHEM credit.)

**CHEM 50143 Biochemistry.** Prerequisite: CHEM or BIOL 50133. Biosynthesis, replication of DNA, synthesis and processing of RNA and proteins, and special topics e.g. brain and muscle functions, hormones and signal transduction, cancer, development, etc. (Offered as BIOL or CHEM credit.)

**CHEM 50162 Advanced Inorganic Chemistry Laboratory.** One hour lecture and one 4-hour laboratory per week. Prerequisite: CHEM 50163 or concurrent registration. The laboratory emphasizes the synthesis, characterization and transformations of inorganic species.

**CHEM 50163 Advanced Inorganic Chemistry.** Three hours lecture per week. Prerequisite: CHEM 40123 or permission of the instructor. A survey of topics in modern inorganic chemistry with emphasis on synthesis, bonding and the mechanisms of reactions.

**CHEM 50182 Biophysical Chemistry Laboratory.** Two 4-hour laboratory periods per week. Prerequisite: Prior or concurrent registration in CHEM 50183. Physical chemical principles applied to biochemical systems.

**CHEM 50183 Biophysical Chemistry.** Three hours of lecture per week. Prerequisite: CHEM 40113 and prior or concurrent registration in CHEM 50143. Biological systems are discussed from the viewpoint of physical chemical theories and methods.

**CHEM 50223 Advanced Organic Chemistry.** Three hours lecture per week. Prerequisite: Chemistry 30132, 30133 or permission of instructor. A detailed study of stereochemistry, important organic reactions and mechanisms, organic syntheses and fundamentals of synthetic design.

**CHEM 50230 Special Problems in Chemistry.** Advanced work in biochemistry, inorganic, organic and physical chemistry to be determined by the previous preparation and interests of the individual student.

**CHEM 50263 Physical-Organic Chemistry.** Three hours lecture per week. Prerequisite: CHEM 30133 and prior or concurrent registration in CHEM 40123. An introduction to modern structural theory and reaction mechanism. Includes a discussion of physical methods.

**CHEM 50273 Inorganic Reactions.** Three hours of lecture per week. Prerequisite: CHEM 50163 or permission of the instructor. An advanced study of the preparative and derivative chemistry of important classes of transition metal and main group element compounds.

**CHEM 50282 Advanced Physical Chemistry.** Two hours lecture per week. Prerequisite: Chemistry 40123. An introduction to Quantum Chemistry and Statistical Thermodynamics is presented. Continuation of Chemistry 40113-40123.

**CHEM 50290 Chemical Thermodynamics.** Prerequisite: Chemistry 40113 or permission of instructor. An introduction to the applications of thermodynamics in chemistry. 1-3 hours of variable credit

**CHEM 50303 Chemical Kinetics.** Three lecture hours per week. Prerequisite: CHEM 40123. Phenomenological and theoretical aspects of the subject are stressed. Emphasis is placed on the study of rates of reaction as a means of elucidating reaction mechanisms. The study of specific gas phase and solution reactions is undertaken to illustrate basic theoretical principles as well as to distinguish molecular, ionic and free radical pathways, applications of isotope effects, activation parameters, medium effects and linear free-energy relationships are considered. Selected topics in conventional and enzyme catalysis are discussed.

**CHEM 50502 Biochemistry Laboratory.** Two four-hour laboratory periods per week. Prerequisite: CHEM 50143 or concurrent registration. (Offered as BIOL or CHEM credit.)

**CHEM 50783 Environmental Chemistry.** Prerequisites: CHEM 10114-10124 or permission of the instructor. Three hours of lecture per week. Chemistry of water, soil, energy, and air as related to environmental problems. Subjects include: nutrients and eutrophication, fluorocarbons, sulfur and nitrogen oxides, Eh-pH relationship, natural carbonate reactions, and cation exchange phenomena. Cross listed with GEOL 50783.

**CHEM 50993 Neurochemistry.** Three lecture hours per week. Prerequisite: CHEM 50133 or permission of instructor. The elucidation of biomedical phenomena that subserve the characteristic activity of the nervous system or are associated with neurological diseases.

## Combined Science

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### Overview

Available as a minor on the B.A. and B.S. degrees. A major in combined science for individuals seeking broad-field science secondary teaching certification has been proposed. Contact the College of Science and Engineering or the School of Education for information concerning the status and requirements for this program.

Requirements for the minor follow one of these two patterns:

1. Three sequences, 6-8 hours each, from three different departments chosen from Group I below, plus two Group II courses, 6-8 hours, in one of these three departments, or
2. Two sequences, 6-8 hours each, from two different departments chosen from Group I below, followed by 6-8 hours in each of these two departments chosen from Group II.

At least 6 semester hours of the combined science minor must be in courses numbered 30000 or higher.

### Group I:

Biology: 10504-10514

Computer Science: 10403 and 20203

Chemistry: 10113-10125 or 10123-20123 or 10114-10124

Geology: 10113 and 10123 or ENSC 10143

Mathematics: 10524, 20524

Physics: 10154, 10164, or 20474, 20484

### Group II:

Biology: 20204, 20214, 20233 (or 30303), 30104, 30203, 30343, 30404, 30504, 30603, 40223

Chemistry: 30122/30123, 30132/30133

Computer Science: 20803, 30203, 30253, 30403

Geology: Any courses numbered 20000 or higher

Mathematics: 30133, 30163, 30224, 30524, 30803, 40853, 50323, 50403, 50613, 50703

Physics: 20013 or 20073, 20023 or 20083, or any courses numbered 30000 or higher.

## Computer Information Technology

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[Requirements for the B.S. degree with a major in Computer Information Technology.](#)

[Requirements for a minor in Computer Information Technology.](#)

[Honors Program](#)

[Student Organizations](#)

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### (CITE)

Computer Information Technology is available as a major on the B.S. degree and as a minor on the B.A. and B.S. degrees.

#### Requirements for the B.S. degree with a major in Computer Information Technology

Forty semester hours of Computer Information Technology and Computer Science to include COSC 10403, 20203, 20803, 30603; CITE 30103, 30153, 30333, 30363, 30533, 40643, 40993 and 7 hours of approved COSC or CITE electives. No more than 4 hours of CITE 20970 may be counted toward these requirements.

Additional requirements include:

MATH 10043 or INSC 20153

MATH 10123

MATH 10283 or 10524

COMM 10123 or 20103

INSC 20263

MARK 30153

MANA 30153

INSC 30153

A minimum of 124 semester hours is required for this degree.

#### Requirements for a minor in Computer Information Technology

Eighteen hours of COSC and CITE courses including: COSC 10403, COSC 20203, COSC 20803, CITE 30533, and an additional 6 hours selected from 30000 and 40000 courses.

#### Honors Program

Computer Science and Computer Information Technology majors who are members of the Honors Program and who have a minimum 3.5 GPA in the major may pursue Departmental Honors by enrolling in COSC 50970 during the fall of their senior year and preparing a Senior Honors Project.

#### Student Organizations

**Association for Computing Machinery.** The department sponsors a student chapter of the Association for Computing Machinery (ACM), an international organization for computer scientists.

**IEEE/CS.** The department sponsors a student chapter of the Institute of Electrical and Electronics Engineers/Computer Society, an international organization for computer scientists.

**Upsilon Pi Epsilon.** The department sponsors a chapter of Upsilon Pi Epsilon, the International Honor Society for the Computing Sciences.

**Sigma Xi.** The department is a sponsor of the TCU chapter of Sigma Xi, the Honor Society for Research in the Natural Sciences.

#### Pass/No Credit Option

Students declaring a major in Computer Information Technology may not elect the Pass/No Credit option in any CITE or COSC classes with the exception of CITE 40453. There are no P/NC restrictions in the minor.

#### Courses of Instruction

**CITE 10003 Applying Technology to Disasters, Failures, and Other Dangerous Things.** This course focuses on how we can develop technological solutions to problems by applying the scientific method to the study of major technological accidents and failures. The lecture material will be augmented by laboratory experiences where the student will be able to experiment with some common everyday complex systems and study their failures under carefully controlled conditions.

**CITE 10303 Internet for Everyone.** Introduction to the layout and design of Web Pages and Web Sites, along with the effective use of image editing tools, email, and search engines. Legal issues will be discussed. This course is intended for non-majors. Students cannot receive credit for both CITE 10303 and INSC 10013.

**CITE 10433 Freshman Seminar in Computer Information Science.** Topics may vary each time the course is offered.

**CITE 20503 Multimedia Authoring.** Prerequisites: COSC 20203. A general introduction to the history, theory,

and technologies that relate to electronic communication. Topics will include the fundamental multimedia elements of text, graphics, sound, video, and animation. Students will participate in team projects designed to create materials for publication on the Internet and CD-ROM.

**CITE 20970 Topics in Computer Information Technology.** Prerequisite: COSC 20203. Topics of current interest. May be repeated for credit when the topic changes. (1-3 semester hours)

**CITE 30103 System and Network Administration.** Prerequisites: COSC 20203. Overview of operating system services and objectives. Installation and maintenance of Unix, Windows, and Macintosh operating systems. Issues in heterogeneous and homogeneous network maintenance and resource sharing. Introduction to scripting.

**CITE 30153 Interface Design and Scripting Fundamentals.** Prerequisites: COSC 20203. Fundamental principles of interface design. Using scripts to assemble existing programs into new applications. Topics include GUI and web site design, and cgi-bin applications utilizing platform independent scripting languages.

**CITE 30333 Database Administration.** Prerequisite: COSC 30603. Introduction to the database administration in both small and large-scale database operations. Course focuses on the setup, analysis and maintenance of relational databases used in modern applications.

**CITE 30363 Web Technologies.** Prerequisite: COSC 30603 or consent of instructor. This course will provide an overview of current web technologies. The student will study both client-side and server-side technologies and will learn about web authoring, site management, and distributed web-based applications. The course will include a review of XHTML, CSS, client and server-side processing followed by in-depth coverage of JSP and Java Servlets, database connectivity, and distributed web applications. XML, web streaming technologies, topics on the wireless web will also be included. Projects will be required that demonstrate the student's understanding of these technologies and that utilize several of the commercially available software packages.

**CITE 30533 Computers, Technology and Society.** Prerequisite: none. In addition to the benefits from the introduction of new technologies, the costs and risks of such changes should be considered. Building on an overview of informal logic, class discussions will examine the social, political, legal, and ethical aspects of technology, with an emphasis on computer technology. Experimental activities and selected readings will provide a basis for the discussion. Credit will not be given for both COSC 10433 and CITE 30533.

**CITE 30703 Instructional Systems Development.** Prerequisites: CITE 30153. This course provides students with a foundation in the history, theory, organization, technologies and instructional procedures used in distance education/training. Various delivery systems that pertain to distance learning will be investigated as will future trends in training/instructional applications.

**CITE 40353 Computer Hardware Concepts.** Prerequisites: COSC 20203 and MATH 10123. Introduction to the design and operation of hardware systems that include embedded microcontrollers and/or microprocessors, and the programming techniques required to control hardware systems. After providing an overview of analog and digital circuit theory, the course focuses on the design and operation of the interfaces between the controller(s)/processor(s) and the rest of the hardware.

**CITE 40453 Computing Internship.** Prerequisites: Junior standing, 2.5 GPA in major, and approval of department chair. Practical experience in computer and information science. Must include a minimum of 260 work hours in approved practical experience situation. Includes 7-8 hours of class meetings. This course may only be taken pass/no credit. Open to CISC, CITE and COSC majors only.

**CITE 40643 Issues in Project Management.** Prerequisites: Credit for, or concurrent enrollment in COSC 30603. This course presents an introduction to the issues involved in managing projects that are technology-based. Principles of project development, trade-off issues through the project life-cycle, and professional ethics will be covered. Team projects are included.

**CITE 40773 Administering Computer Resources.** Prerequisites: CITE 30103. Tasks of the computer center manager are studied in the context of the role of administrative decision maker. Management processes, models for tradeoff decisions, behavior concepts, leadership, team dynamics, and infrastructures are covered. Both centralized and distributed models with multiple platforms and networked delivery are considered.

**CITE 40913 Advanced Topics in Computer Information Technology.** Prerequisite: Permission of the instructor. Advanced topics of current interest. Students will study current literature. May be repeated for credit when the topic changes.

**CITE 40993 Senior Development Project.** Prerequisite: CITE 40643. Senior computer information technology majors are required to demonstrate their mastery of several computer science and information technology topics and their ability to communicate the results of their efforts to others. They are required to identify and analyze a computer development task, develop and implement a workable solution for its development, and then document the results of their efforts.

## Computer Science Programs

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### (COSC)

Computer Science is available as a major on the B.S. degree and as a minor on the B.A. and B.S. degrees.

This program in computer science is accredited by the Computer Science Accreditation Commission of the Computing Sciences Accreditation Board, a specialized accrediting body recognized by the Council on Postsecondary Accreditation (COPA) and the U.S. Department of Education.

#### Requirements for the B.S. degree with a major in Computer Science

45 semester hours of Computer Science, of which 39 hours must be COSC 10403, 20203, 20803, 30203, 30253, 30353, 30403, 30603, 40203, 40603, 40943, and 40993 and CITE 30533; and six hours of approved Computer Science electives shall be selected from courses at the 3000 level or above. **Mathematics and science:** 32 hours which must include (1) 17 hours of Mathematics (MATH 10123, 10143, 10524, 30224, and 30803), and (2) a two-semester science sequence (including laboratories) plus two additional one-semester science courses. All science courses must be selected from Biology, Chemistry, Geology, or Physics. Courses for non-science majors may not be counted in this category. A minimum of 132 semester hours is required. A Computer Science major must have a minimum 2.2 GPA in all required Computer Science course work to graduate.

#### Requirements for a minor in Computer Science

18 hours of Computer Science including: COSC 10403, 20203, 20803, 30203, and an additional 6 hours selected from 3000 and 4000 level courses.

#### Honors Program

Computer Science and Computer Information Technology majors who are members of the Honors Program and who have a minimum 3.5 GPA in the major may pursue Departmental Honors by enrolling in COSC 50970 during the fall of their senior year and preparing a Senior Honors Project.

#### Student Organizations

**Association for Computing Machinery.** The department sponsors a student chapter of the Association for Computing Machinery (ACM), an international organization for computer scientists.

**IEEE/CS.** The department sponsors a student chapter of the Institute of Electrical and Electronics Engineers/Computer Society, an international organization for computer scientists.

**Upsilon Pi Epsilon.** The department sponsors a chapter of Upsilon Pi Epsilon, the International Honor Society for the Computing Sciences.

**Sigma Xi.** The department is a sponsor of the TCU chapter of Sigma Xi, the Honor Society for Research in the Natural Sciences.

#### Pass/No Credit Option

Students declaring a major in Computer Science may not elect the Pass/No Credit option in any Computer Science course. There are no restrictions on the minor.

#### Courses of Instruction

**COSC 10203 Computer Literacy.** Two hours lecture and one and a half hours of laboratory per week. Introduction to the history of computers, computer organization, and principles of operation. Hands-on experience utilizing a variety of computer software tools including word processing, database management, graphics, spreadsheet, and Internet applications.

**COSC 10403 Introduction to Programming.** Prerequisite: Two years of high school algebra or Math 10023. Introduction to computers, problem solving, algorithm design, and programming techniques. Includes what a computer is and is not, problem organization, data representation, and how to utilize the computer to solve problems. Numerical and non-numerical problems are solved in a high-level programming language.

**COSC 10433 Freshman Seminar in Computer Science.** Topics may vary each time it is offered.

**COSC 10503 Introduction to Programming for Engineering and Science.** Prerequisite: MATH 10524 or concurrent. Introduction to computer programming and to problem solving techniques using computer programs with applications in engineering and the physical sciences.

**COSC 10533 Freshman Seminar in Computer Science.** Topics may vary each time class is offered.

**COSC 20101 Assembler Fundamentals.** Prerequisite: COSC 10403. Computer structure, machine language, instruction execution, addressing modes, and internal representation of data. Several assembler language programming assignments are required.

**COSC 20203 Techniques in Programming.** Prerequisites: COSC 10403 or equivalent and MATH 10052 or equivalent. A study of program design, development and programming techniques. Structured programming with

problems selected from list processing, string processing, and file manipulation.

**COSC 20803 Data Structures.** Prerequisites: COSC 20203. Basic concepts of data. Linear lists, strings, and arrays. Representation of trees and graphs. Storage systems and structures. Symbol tables and searching techniques, sorting techniques. Formal specification of data structures and data structures in programming languages.

**COSC 20970 Topical Studies in Computer Science.** Prerequisites: COSC 20203. Courses dealing with a particular area of investigation in computer science. The topics will be changed from semester to semester and the course may be repeated when the topic is different. (1 - 3 semester hours.)

**COSC 30203 Computer System Fundamentals.** Prerequisite: COSC 20803. Introduction to assembly language and the corresponding machine representation, assemblers, linkers, and loaders. Study of the design and implementation of 2-pass assemblers with special attention to symbol tables and the problems of resolving forward and external references.

**COSC 30253 Computer Organization.** COSC Prerequisites: COSC 30203 (may be concurrent) and MATH 10123, or, ENGR prerequisites: ENGR 30444. Corequisite: COSC 20101. Treatment of sequential and combinatorial circuits including flip-flops, multiplexers, decoders, adders, registers, counters. Design of functional components, of a computer including memory, ALU, control unit, busses. The tradeoffs of alternative architectural features such as word size, instruction sets, addressing modes. (Offered as COSC or ENGR credit.)

**COSC 30353 Microprocessor Based Digital Systems.** Prerequisite: COSC 30253. Introduction to the design of microprocessor based digital systems including the study of processor control signals, address decoding and memory interfacing, interfacing to serial and parallel ports, A/D conversion, and interrupt processing. Features of state-of-the-art microprocessors will be discussed. Both hardware and software assignments will be required. (Offered as COSC 30353 or ENGR 30583.)

**COSC 30403 Programming Language Concepts.** Prerequisite: COSC 20803. A study and comparison of the concepts and constructs of major programming language paradigms. Topics include evolution of programming languages, formal definition (syntax and semantics), data types, scope, subprograms, data abstraction. Students will review a published paper in the area of programming languages. Lab assignments are given in languages selected to illustrate paradigms.

**COSC 30453 Computer Architecture.** Prerequisite: COSC 30253. The logical organization and functional behavior of digital computers are studied. Fundamental principles in the design of the CPU, memory, I/O devices, and bus structures are presented. Performance enhancement topics such as caching, memory interleaving, interconnection schemes, pipelining, memory management, reduced instruction sets (RISC) and multiprocessing are discussed. (Offered as COSC 30453 or ENGR 30593.)

**COSC 30503 Advanced Systems Programming.** Prerequisite: COSC 30203. Introduction to the systems software features provided by a modern operating system. The techniques and problems associated with the use of concurrent execution of multiple tasks (spawning new tasks from within a task; intertask communications, synchronization, and termination; the use of low-level I/O primitives; and methods for dealing with mutual exclusion, race conditions, and deadlock). Students will be required to develop command language procedures and write programs which invoke operating system services.

**COSC 30603 Database Systems.** Prerequisite: COSC 20803, and MATH 10123. Introduction to the design, implementation, and use of relational database systems. Topics include entity-relationship modeling, dataflow modeling, relational algebra and tuple calculus, normalization, SQL, external data structures, query optimization, and transaction processing.

**COSC 30703 ADA Software Development and Programming.** Prerequisite: COSC 20803. Introduction to the problems associated with the development of large software systems and the features of the Ada programming language that can be used to attack many of these problems. Emphasis will be on those features of Ada that distinguish it from most other programming languages including the use of packages, formal specifications of interfaces, use of private types, operator overloading, tasking, representation clauses, exception handlers, and generics.

**COSC 30803 Simulation Techniques.** Prerequisites: COSC 20803. Discrete event simulation programming and analysis techniques for simulation experiments. Includes experimental sampling and model development in a special purpose simulation language.

**COSC 40003 Computer Networks.** Prerequisite: COSC 30253. Introduction to basic data communications concepts, including hardware and software aspects of protocols, asynchronous and synchronous communication, network configurations, and error detection. This course includes the study of both local area networks and long haul networks, the 7 layer ISO network model, the architecture of networks, and network communication protocols. Local and wide area networks including the internet and world wide web will be discussed.

**COSC 40103 Graphics.** Prerequisites: COSC 30253 and a knowledge of linear algebra MATH 30224. A basic course in graphics systems. Considers the equations of lines, planes, and surfaces; hidden line algorithms; rotations, scaling, and cutaway transformations; 3-D images and the use of shading and perspective; animation; and color graphics.

**COSC 40203 Operating Systems.** Prerequisites: COSC 30253 and MATH 10143. Introduction to operating systems principles. Includes management of CPU, memory, peripherals, and information; the problems associated with communications and controlling concurrent processes; and the differences in batch, time-sharing, and real-time operating systems.

**COSC 40503 Artificial Intelligence.** Prerequisite: COSC 30603. Introduction to knowledge representation and methods for intelligent search. Fundamental topics include state space search, logic, and inference engines. AI languages Prolog, Lisp, and Clips will be used to explore additional topics selected from two-person games, expert systems, automated theorem proving, planning, and machine learning.

**COSC 40603 Compiler Theory.** Prerequisites: COSC 30203, COSC 30403, and MATH 10143. Formal description of algorithmic languages, such as Pascal, and the techniques used in writing compilers for such. Topics include syntax, semantics, storage allocation, code generation, error handling and diagnostics, code optimization, etc.



Includes the definition and writing of a compiler for a simple programming language.

**COSC 40803 Advanced Topics in Computer Hardware.** Prerequisite: Permission of instructor. Advanced topics of current interest in computer hardware, such as computer design, computer networks, advanced computer graphics. Students will study current literature. May be repeated for credit when topic changes.

**COSC 40903 Advanced Topics in Computer Software.** Prerequisite: Permission of instructor. Advanced topics of current interest in computer software, such as natural language programming, advanced operating systems, advanced compiler design, file structures, advanced database. Students will study current literature. May be repeated for credit when topic changes.

**COSC 40943 Software Engineering.** Prerequisite: Senior standing. Stages of the software development lifecycle (requirements analysis, specification, design, implementation, testing), evolution, and quality assurance. Classical and alternative process models and techniques are described and discussed. Management issues, professional responsibilities, and ethics of the profession are covered. Includes team projects and individual requirements analysis effort.

**COSC 40993 Senior Design Project.** Prerequisite: COSC 40943. Senior computer science majors are required to demonstrate their mastery of several computer science topics and their ability to communicate the results of their efforts to others. They are required to identify and analyze a computer science problem, develop and implement a workable solution to the problem, and then document the results of their efforts.

**COSC 50123 Object-Oriented Design and Programming.** Prerequisite: COSC 30403 or permission of instructor. Introduction to object-oriented techniques including design methodologies and programming language support. Survey of new languages and extensions to existing languages which provide support for encapsulation, inheritance, and polymorphism.

**COSC 50133 Formal Languages.** Prerequisites: COSC 40603. Languages and grammars which can be characterized in formal terms, for the purpose of constructing models for artificial (computer) languages. Topics will include finite automata, push down automata, Turing machines, solvable and unsolvable problems, etc.

**COSC 50970 Special Topics in Computer Science.** Prerequisite: Permission of instructor. (1-6 semester hours).

# Engineering

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## (ENGR)

The Department of Engineering mission statement is to educate individuals to be proficient in the art and science of engineering. In support of the mission, the course of study is designed to meet the following seven objectives:

1. to prepare students for successful careers in engineering and for lifelong learning;
2. to teach students methods of analysis, including modern computational techniques appropriate for engineers to use when solving problems;
3. to teach students the engineering design process;
4. to teach students to create and conduct engineering experiments as well as interpret data;
5. to prepare students to work in interdisciplinary teams, synthesize information, and understand effective team dynamics and leadership;
6. to develop effective communication skills; and
7. to instill in students an appreciation for and acceptance of their professional and ethical responsibilities.

Available as a major on the B.S. degree with the choice of either an electrical or mechanical emphasis. All programs of study include a solid liberal arts component and a fundamental core of engineering courses which provide a strong interdisciplinary background in engineering. They conclude with a three-semester design sequence which is common to students in both areas of emphasis. The programs satisfy all criteria established by the Accreditation Board for Engineering and Technology (ABET).

The programs of study are identical for the first three semesters with an emphasis choice required during the second year. A total of 136 semester hours of University Core Curriculum, engineering and associated courses is required for the B.S. degree in engineering. All programs are based on a strong background in mathematics and the basic sciences. Suggested four-year course sequences are available from the Department of Engineering.

### Requirements for the B.S. degree with a major in Engineering

Forty-three semester hours in the Engineering Core including ENGR 10032, 10033, 10042, 20404, 20603, 20613, 30014, 30444, 30623, 30704, 30903, 40484, 40903, 40913; and twenty-one semester hours in an Engineering Emphasis. **The Electrical Emphasis** requirements include ENGR 20413, 30454, 30503, 30543, and a set of approved elective courses. **The Mechanical Emphasis** requirements include ENGR 20623, 30634, 30714, 30861, 30871, 40861, 40871, and a set of approved elective courses. All electives must be approved by an engineering faculty advisor to ensure that each student's program of study meets both university and engineering accreditation criteria. **Associated Requirements:** MATH 10524, 20524, 30524, 30613, 30803, PHYS 20474, 20484, CHEM 10113 (or CHEM 10114), ECON 10223, 10233, COSC 10403 or COSC 10503.

### Honors Program

Engineering majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in ENGR 30003 during their junior year and ENGR 40003 during their senior year.

### Transfer Students

Transfer applicants should refer to "General Policies" in the Admissions section of this bulletin for general admission requirements and deadlines. A degree plan will be prepared for each transfer student during the student's first semester of enrollment at TCU. The application of previous coursework to an engineering degree at TCU is based upon equivalency of content with TCU courses. Special approval is required to complete any Engineering Emphasis courses outside of TCU. A maximum of 15 semester hours of transfer credit may be applied to the Engineering Core. All engineering courses must be from programs with ABET accreditation, unless otherwise pre-approved. Contact the Department of Engineering for additional information on its transfer policy and procedures.

### Student Organizations

Several engineering and computer science student organizations have been established at TCU for the purpose of promoting professional goals and interests, and to provide fellowship and recreation for the members. Student chapters of Institute of Electrical and Electronics Engineers (IEEE), American Society of Mechanical Engineers (ASME), American Institute of Aeronautics and Astronautics (AIAA), and Association of Computing Machinery (ACM) American Institute of Aeronautics and Astronautics (AIAA), and Society of Women Engineers (SWE) are active on the TCU campus. These groups meet regularly to participate in plant tours or to entertain speakers on topics of current interest to engineering students. All engineering students are encouraged to join one of the student organizations, to participate in campus activities as well as the activities of the affiliated local professional engineering societies. Students may also choose to become student members of the Texas Society of Professional Engineers (TSPE) and to participate in their local chapter activities.

## Fundamentals Examination

The Fundamentals of Engineering (FE) examination is administered twice each year by the National Council of Examiners for Engineering and Surveying (NCEES). Review sessions are offered by the Engineering faculty during the fall semester. All engineering students are encouraged and advised to take the fundamentals examination prior to graduation.

## University Core Curriculum Electives

The humanities and social science components of engineering programs should exhibit both breadth and depth in the subject areas. The Department of Engineering provides a list of suggested University Core Curriculum elective options that address this issue. All University Core Curriculum electives must be selected with the advice and approval of an engineering academic advisor.

## Engineering Electives

The electrical and mechanical emphasis engineering electives must be selected to assure an adequate content for the total program. All engineering electives must be selected with the advice and approval of an engineering academic advisor.

## Pass/No-Credit Option

All courses used to meet University Core Curriculum, associated and engineering program requirements must be taken on the letter grade system. An exception may be approved if a specific course is only available on a pass/no-credit basis.

## Courses of Instruction

**ENGR 10032 Static Mechanics.** Corequisite: MATH 10524. Force systems and resultants, equilibrium, friction, structural analysis, geometric properties and distributed loadings, internal forces.

**ENGR 10033 Engineering Design and Graphics.** Introduction to the engineering design process. Manual and computer-aided design graphics. Student team projects. Manual and computer-aided engineering problem solving and presentation.

**ENGR 10042 Principles of Digital Logic.** Number systems. Arithmetic, Boolean algebra and logic operations. Timing diagrams. Introduction to the design and analysis of combinational and sequential logic circuits.

**ENGR 10053 A Hands-On Introduction to Engineering Design.** Introduction to some of the principles of engineering design. Simple microcontroller programming. Basic machine component design. Student teams design and construct autonomous mobile robots to accomplish an assigned task.

**ENGR 10433 Freshman Seminar in Engineering.** Topics may vary each time it is offered.

**ENGR 20404 Network Analysis I.** Prerequisite: MATH 10524. Corequisite: MATH 20524. Terminal characteristics of passive devices and energy sources. Steady-state response of networks containing these elements. Transient response of first- and second-order networks. Introduction of computer-aided analysis and design tools. Emphasis on the proper use of basic electrical laboratory instrumentation.

**ENGR 20413 Network Analysis II.** Prerequisite: ENGR 20404. Complex frequency response. Frequency domain analysis using Laplace and Fourier transforms. Two-port networks analysis and applications. Computer-aided analysis and design tools.

**ENGR 20603 Solid Mechanics I.** Prerequisites: ENGR 10032, MATH 10524. Fundamental topics in static structural analysis, concepts of stress and strain, and stress-strain-temperature relations. Stresses and deformations due to axial, torsional, and bending loads. Transverse shear. Combined loadings.

**ENGR 20613 Dynamics and Vibrations I.** Prerequisites: ENGR 20603, PHYS 20473/20474, and credit for, or concurrent enrollment in MATH 30613. Kinematics and kinetics of a particle. Work-energy and impulse-momentum methods for particles. Planar kinematics and kinetics of a rigid body. Work-energy and impulse-momentum methods for rigid bodies. Free and forced response of damped single-degree-of-freedom systems.

**ENGR 20623 Solid Mechanics II.** Prerequisites: ENGR 20603, PHYS 20473/20474: credit for or concurrent enrollment in MATH 30613. Beam design. Statically indeterminate problems. Buckling of noncircular shafts. Energy methods. Theories of failure. Introduction to finite element analysis.

**ENGR 30003 Honors Tutorial.** Prerequisite: Junior standing and membership in the Honors Program. An examination of an important topic in mechanical or electrical engineering determined in consultation with an instructor. This course is offered on a directed study basis and must be arranged prior to the semester enrolled.

**ENGR 30014 Materials Science.** Prerequisite: CHEM 10113 or CHEM 10114. Introduction to the physical, chemical, mechanical, electrical, and optical properties of metals, semiconductors, ceramics, and polymers. Emphasis on the relationship between these properties and how performance is influenced by microstructure and processing. Atomic bonding. Crystal structure. Phase equilibria. Deformation and fracture. Composite materials. Electronic, magnetic, dielectric and optical properties. Laboratory methods for characterizing materials emphasized. (Offered as ENGR or PHYS credit.)

**ENGR 30444 Electronics I.** Prerequisite: ENGR 20404. Fundamentals of solid-state, discrete-component microelectronic devices, including the pn-junction diode, bipolar junction transistor, and field-effect transistors. The integrated circuit operational amplifier and its use in analog applications is emphasized. Utilization of pn-junction diodes and transistors as electronic switches for digital logic applications is stressed. Computer-aided analysis and

design tools. Laboratory applications.

**ENGR 30454 Electronics II.** Prerequisite: ENGR 30444. Differential amplifiers. Frequency response of amplifiers with an emphasis on design for wideband operation. Negative feedback with practical circuit applications. Amplifier output stages. Analog integrated circuits including op-amps. Basic analog filter design. Sinusoidal oscillators. Laboratory applications.

**ENGR 30503 Signals and Systems.** Prerequisite: ENGR 20413 or instructor approval. Signal and system representations. Convolution. Fourier series and transforms and applications. Laplace transforms and applications. Z-transforms and applications.

**ENGR 30543 Engineering Electromagnetics.** Prerequisites: ENGR 20404, MATH 30524, MATH 30613. Vector fields and operators. Electrostatic fields. Coulomb, Gauss, Joule, and Continuity Laws. Solution of boundary-value problems. Magnetostatic fields. Vector magnetic potential. Biot-Savart Law. Time-varying fields. Faraday's Law. Maxwell's equations. Plane waves. Transmission lines. The use of computer-aided calculation and visualization tools.

**ENGR 30573 Computer Organization.** COSC Prerequisites: COSC 30203 (may be concurrent) and MATH 10123, or, ENGR prerequisites: ENGR 30444. Corequisite: COSC 20101. Treatment of sequential and combinatorial circuits including flip-flops, multiplexers, decoders, adders, registers, counters. Design of functional components, of a computer including memory, ALU, control unit, busses. The tradeoffs of alternative architectural features such as word size, instruction sets, addressing modes. (Offered as COSC or ENGR credit.)

**ENGR 30583 Microprocessor Based Digital Systems.** Prerequisite: COSC 30253. Introduction to the design of microprocessor based digital systems including the study of processor control signals, address decoding and memory interfacing, interfacing to serial and parallel ports, A/D conversion, and interrupt processing. Features of state-of-the-art microprocessors will be discussed. Both hardware and software assignments will be required. (Offered as COSC 30353 or ENGR 30583.)

**ENGR 30593 Computer Architecture.** Prerequisite: COSC 30253. The logical organization and functional behavior of digital computers are studied. Fundamental principles in the design of the CPU, memory, I/O devices, and bus structures are presented. Performance enhancement topics such as caching, memory interleaving, interconnection schemes, pipelining, memory management, reduced instruction sets (RISC) and multiprocessing are discussed. (Offered as COSC 30453 or ENGR 30593.)

**ENGR 30613 Dynamics and Vibrations II.** Prerequisites: ENGR 20613, MATH 30613. Moving reference frames. Kinematics and kinetics of typical machines. Lagrange's equations. Rotating machinery and balancing. Free and forced response of damped multi-degree-of-freedom systems. Modal analysis.

**ENGR 30623 Control Systems I.** Prerequisites: ENGR 20613, 20404, MATH 30613. Analysis and design of feedback control systems. Laplace transforms and transfer functions. Transient and steady-state response. Root locus method. Nyquist diagrams. Bode plots. Control system simulation software. Introduction to state-space analysis and design.

**ENGR 30634 Manufacturing I.** Prerequisite: ENGR 20623. Manufacturing processes and engineering materials emphasizing metals, polymers, ceramics, and composites. Material selection. Product design for optimum manufacturability and quality control. Computer integrated manufacturing and process engineering.

**ENGR 30704 Thermal Sciences I.** Prerequisites: MATH 10524, CHEM 10113, PHYS 20473 or 20474. An introduction to thermodynamics, fluid mechanics and heat transfer. System and control volume concepts in analysis. First and second laws in thermodynamics. Thermodynamics cycles. Fluid statics and steady flow of fluids. Introduction to topics in conduction, convection, and radiation heat transfer.

**ENGR 30714 Thermal Sciences II.** Prerequisite: ENGR 30704. Continuation of ENGR 30704. Further topics in thermodynamics and fluid mechanics. Applications of the first and second laws to power and refrigeration cycle analysis, psychrometrics, and reacting mixtures. Conservation equations. Inviscid and viscous incompressible flow. Introduction to compressible flow.

**ENGR 30861 Mechanical Systems Lab.** Prerequisite: ENGR 20603. Experimental, computational and analytical studies of phenomena in solid mechanics, dynamics and vibrations. Data acquisition, transmission, and analysis.

**ENGR 30871 Thermal Systems Lab I.** Corequisite: ENGR 30704. Experimental, computational and analytical studies of phenomena in fluid flow, heat transfer, thermodynamics, refrigeration, and mechanical power systems. Data acquisition, transmission, and analysis.

**ENGR 30903 Issues in Engineering Design.** Prerequisite: Junior Standing. Examination of various issues inherent in engineering design. A review of the engineering method. Ethical issues of engineering design such as: product liability, risk assessment, intellectual property, competitive bidding, and the environmental and social impacts of design decisions. Project management, topics in engineering economy, and probabilistic concepts in design.

**ENGR 40003 Senior Honors Research Paper.** Prerequisite: ENGR 30003. A supervised research experience culminating in the writing of a research paper based on the subject matter studied in ENGR 3003 Honors Tutorial. The course is offered on a directed study basis and must be arranged prior to the semester enrolled.

**ENGR 40203 Engineering Economic Analysis.** Prerequisites: ECON 10223, and MATH 10524 or MATH 10283. Development and use of time value of money interest relationships. Comparison alternatives including present worth, annual worth, rate of return and payout period methods. Decision making among independent, dependent, capital-constrained, and unequal-lived projects. Replacement, break-even, and minimum cost analyses. Depreciation and depletion methods and their effect on corporate income taxes, leading to after-tax cash flow analysis.

**ENGR 40454 Semiconductor Device Electronics.** Prerequisite: ENGR 30454. Semiconductor materials and solid-state physics principles. Charge carrier transport phenomena. PN-junction analysis. Bipolar junction transistor physics. Metal-oxide-semiconductor MOS physics. MOS transistor principles. Computer-aided analysis and design tools will be used. Individual research laboratory project.

**ENGR 40484 Electromechanics.** Prerequisites: ENGR 20404, and PHYS 20483/20481 or PHYS 20284. Electromechanical energy conversion principles. Magnetic circuits. Balanced three-phase system analysis.

Development and applications of the circuit models for transformers, induction machines, synchronous machines, and DC machines. Laboratory exercises emphasize measurement of machine model parameters and comparison of predicted and observed steady-state performance.

**ENGR 40514 Communication Systems.** Prerequisite: ENGR 30503. Introduction to analog and digital communication systems and concepts. Sampling theorem. Amplitude modulation. Frequency modulation. Pulse-code modulation. Time-division and frequency-division multiplexing. Analog and digital noise analysis.

**ENGR 40544 Optical Fiber Communications.** Prerequisite: ENGR 30543 or PHYS 40653. Waveguiding and signal transmission properties of optical fibers. Optical sources. Power launching and coupling. Photodetectors. Optical receivers. Optical fiber transmission systems. Laboratory exercises emphasize the measurement of waveguiding characteristics.

**ENGR 40574 Digital Signal Processing.** Prerequisite: ENGR 30503. Sampling and quantization effects. Digital filter design. Structures for realizing discrete time systems. Discrete Fourier transform and fast Fourier transform. Laboratory exercises emphasize digital signal processing techniques to applications in audio signal processing and telecommunications.

**ENGR 40613 Machine Component Design.** Prerequisites: ENGR 20613, 20623. The design and selection of mechanical components. Lubrication. Antifriction and journal bearings. The design of screws, fasteners, and joints. Mechanical springs. Gears and gearing systems. Clutches, brakes and couplings. Flexible mechanical elements. Flywheels and power units. Miscellaneous topics.

**ENGR 40623 Control Systems II.** Prerequisite: ENGR 30623. Design of control systems. Stability. System sensitivity. Nyquist, root locus and Bode design. Nichols chart analysis and design. Controllability and observability. Introduction to nonlinear control systems. Phase plane methods.

**ENGR 40633 Manufacturing II.** Prerequisite: ENGR 30634. A continuation of ENGR 30634.

**ENGR 40723 Heat Transfer.** Prerequisite: ENGR 30704. Thermal conductivity. Steady and unsteady conduction. Free and forced convection. Boundary layer concepts. Heat exchangers. Thermal radiation. Numerical procedures.

**ENGR 40733 Fluid Mechanics.** Prerequisite: ENGR 30704. Fluid statics. Conservation equations. Incompressible inviscid and viscous flow. Boundary layers. Dimensional analysis and similitude. Compressible flow.

**ENGR 40743 Thermal Systems Design.** Prerequisite: ENGR 30704. Design and analysis of thermal systems. Selection and evaluation of fluid flow equipment. Heat exchangers. Vapor power and refrigeration cycles. Fluid flow circuits. Preliminary cost estimations and economic evaluation. Availability analysis and optimization techniques.

**ENGR 40753 Advanced Engineering Dynamics.** Prerequisites: ENGR 20613, MATH 30613. Kinematics and kinetics of three dimensional motion. Gyroscopic systems, Energy and momentum methods. Generalized coordinates and Lagrange's equations. Special topics.

**ENGR 40763 Advanced Engineering Vibrations.** Prerequisites: ENGR 20613, MATH 30613. Free and forced vibration of single-degree-of-freedom and multiple-degree-of-freedom systems. Vibration of continuous systems, such as cables, beams and plates. Engineering applications of vibration theory. Special topics.

**ENGR 40861 Mechanical Systems Lab II.** Prerequisite: ENGR 30623. Experimental, computational and analytical studies of phenomena in solid mechanics, dynamics and vibrations. Data acquisition, transmission, and analysis.

**ENGR 40871 Thermal Systems Lab II.** Prerequisites: ENGR 30714, 30871. A continuation of ENGR 30871. Experimental, computational and analytical studies of phenomena in fluid flow, heat transfer, thermodynamics, refrigeration, and mechanical power systems. Data acquisition, transmission, and analysis.

**ENGR 40903 Systems Design I.** Prerequisite: ENGR 30903. Two-semester interdisciplinary team projects. Application of analysis and design principles and techniques to the synthesis, modeling, optimization, fabrication, and testing of electrical, mechanical and electromechanical systems. Individual and team oral and written reports.

**ENGR 40913 Systems Design II.** Prerequisite: ENGR 40903. Continuation of ENGR 40903

**ENGR 40920 Senior Design Projects.** Prerequisite: Instructor approval. Individual design and development projects in fundamental or applied aspects of electrical or mechanical engineering 1-4 hours.

**ENGR 40970 Special Topics in Engineering.** Prerequisite: Instructor approval. 1-6 hours.

## Environmental Earth Resources

[Requirements for a B.S. degree with a major in Environmental Earth Resources](#)  
[Pass/No Credit Option](#)

### (ENER)

Administered by the Department of Geology and available as a major on the B.S. degree. Intended for students seeking a degree that combines environmental geology, GIS, and satellite imagery for mapping earth resources.

### Requirements for a B.S. degree with a major in Environmental Earth Resources

34 hours in Geology and 17 hours from related science/math departments.

#### A. Required Geology courses-20 hours

ENSC 10143 Principales of Environmental Science  
 GEOL 10113 Understanding the Earth  
 GEOL 30213 Mineralogy  
 GEOL 30423 Structural Geology  
 Geol 40393 Environmental Earth Resources  
 GEOL 50712 Environmental Geology  
 GEOL 50721 Geographic Information Systems  
 GEOL 50731 Remote Sensing Technology  
 GEOL 50901 Computer Applications in Geology

#### B. 14 more required hours from the following options:

ENSC 40193 Environmental Stewardship Seminar  
 GEOL 30113 Weather and Climate  
 GEOL 30133 Earth History I  
 GEOL 30143 Earth History II  
 GEOL 30153 Geology of National Parks  
 GEOL 30203 Catastrophes, Controversies, Genesis and Geology  
 GEOL 30223 Petrology  
 GEOL 30233 The Rock Cycle  
 GEOL 30243 Sedimentology  
 GEOL 30323 Introduction to Marine Science  
 GEOL 40413 Map Interpretation  
 GEOL 40493 Geomorphology  
 GEOL 40893 Senior Thesis  
 GEOL 40970 Special Problems in Geology  
 GEOL 50361 Basic Well Log Interpretation  
 GEOL 50423 Petroleum Geology  
 GEOL 50493 Physical Hydrology  
 GEOL 50583 Spatial Analysis  
 GEOL 50593 Hydrologic Modeling  
 GEOL 50602 Preparation of Environmental Impact Statements  
 GEOL 50723 Introduction to Geographic Information Systems  
 GEOL 50741 Image Processing  
 GEOL 50751 Image Interpretation  
 GEOL 50773 Introduction to Environmental Law  
 GEOL 50783 Environmental Chemistry  
 GEOL 50883 Introduction to Environmental Engineering Technology  
 GEOL 50912 Statistical Applications for Microcomputers  
 GEOL 50922 Mapping Applications for Microcomputers

#### C. Additional associated requirements -17 hours:

BIOL 10003 Contemporary Issues in Biology  
 CHEM 10113 General Chemistry  
 COSC 10403 Introduction to Programming  
 MATH 10524 Calculus I  
 PHYS 10154 Physics I

**D. Approved electives:** In science, math or computer science as approved by the advisor.

**The total hours required for the B.S. degree with a major in Environmental Earth Resources is 132 semester hours.**

#### Pass/No Credit Option

Courses in the major and minor, if any, must be taken for letter grades

## Environmental Sciences

[Requirements for a Minor in Environmental Sciences](#)

[Requirements for the B.S. degree with a major in Environmental Sciences](#)

[Pass/No Credit Option](#)

[Administration and Counseling](#)

[Courses of Instruction](#)

### (ENSC)

Available as a major for the B.S. degree.

This interdisciplinary program is administered by the Director of the Institute for Environmental Studies. Faculty associated with the program are:

Lilliana Abarca, Adjunct Professor, ITCR, Costa Rica

John Breyer, Professor of Geology

Joseph C. Britton, Professor of Biology

Tony Burgess, Professor of Professional Practice

Art Busbey, Associate Professor of Geology

R. Nowell Donovan, Provost and Vice Chancellor for Academic Affairs, Charles B. Moncrief Professor

Ray W. Drenner, Professor, and Chair of Biology

Gary W. Ferguson, Professor of Biology

Jack Hill, Associated Professor of Religion

John Horner, Professor of Biology

John Janovec, Adjunct Professor, Botanical Research Institute of Texas

Peter D. McKone, Adjunct Professor, Wetland Ecology

Mike Misamore, Assistant Professor of Biology

Glenn C. Kroh, Associate Professor of Biology

Ranjan S. Muttiah, Assistant Professor of Geology

Ken Morgan, Director, Center for Remote Sensing and Associate Dean of the College of Science and Engineering

Leo Newland, Professor of Biology & Geology

Rebecca Richards, Adjunct Professor, Environmental Compliance

Michael Slattery, Professor of Geology and Director of the Institute.

### Requirements for a Minor in Environmental Sciences

A minimum of 18 semester hours of Biology, Geology, or Environmental Science courses including a minimum of three upper division (30000 or above) courses.

### Requirements for the B.S. degree with a major in Environmental Sciences

#### A. Required Courses (49 semester hours)

*THE CORE (22 semester hours)*

BIOL 10003 Contemporary Issues in Biology

BIOL 30613 Natural History of North America

or

BIOL 10504 Principles of Life Sciences

BIOL 10514 Principles of Life Sciences

GEOL 10113 Understanding the Earth

ENSC 10143 Principles of Environmental Science

BIOL 30403 Ecology

GEOL 40393 Soils in the Environment

ENSC 40193 Environmental Stewardship Seminar

ENSC 40001 Scientific Presentations

*ELECTIVES (24 semester hours)*

Students must select a 24 hours coursework with a minimum of 6 hours of Biology, 6 hours of Geology, and 6 hours Environmental Science designation.

#### Associated Requirements (19 hours)

CHEM 10113 Freshman Chemistry

CHEM 10123 Freshman Chemistry

CHEM 10122 Freshman Chemistry Lab or

CHEM 10125 General Chemistry with Lab

PHYS 10154 General Physics I

MATH 10524 Calculus I or equivalent

STATS course as approved by Director.

The total required for the B.S. degree with a major in Environmental Sciences is 132 semester hours.

#### Pass/No Credit Option

Courses in the major (or minor) must be taken for letter grade.

#### Administration and Counseling

Each student prepares an individual Program of Study (POS) designed specifically for the student's particular

background and goals. The POS is prepared in consultation with the Director of the program, Dr. Michael Slattery, Room 244 Sid W. Richardson Physical Sciences Building.

### Courses of Instruction

**ENSC 10143 Principles of Environmental Science.** Two hours lecture and two hours of laboratory per week. This course introduces students to the major environmental/resource problems that confront humanity in the 21st century. The course seeks to both develop a fundamental scientific knowledge and understanding of the concepts and principles that underlie current environmental problems, as well as to engage in critical and reflective thinking about our resources, the environment and our place within it. Field trip required.

**ENSC 10433 A Sense of Place: TCU's Environment.** This first-year seminar offers an introduction to field observation, personal journaling, and the domain of Environmental Studies, which includes earth sciences, ecology, environmental history, and environmental literature. Assignments are designed to promote awareness about how an environment is shaped by interaction among cultural and natural processes. The course is centered upon five all-day field trips in the vicinity of Fort Worth. Trips include presentations and exercises conducted by various experts, designed both to showcase individual enthusiasms and to explore how disciplinary knowledge can be integrated into a richer understanding of the local environment. Whenever possible, people with differing expertise, and readings from both scientific and literary sources are used to interpret the same landscape. Students practice describing environments in different modes, in order to cultivate the breadth of perspective required for environmental literacy. Each trip is preceded by a 2-hour evening session to discuss assigned readings, insights from the previous trip, and relevant concepts for the next trip.

**ENSC 30313 Environmental Issues in Costa Rica.** In this course, students spend three weeks in Costa Rica examining environmental issues and the case for environmental stewardship, defined as the need to make informed and responsible decisions with regard to the planet. Costa Rica provides a unique biological learning environment. It is one of the smallest countries in the Americas, yet has the most diverse selection of flora and fauna in the hemisphere. This diversity is now under threat from widespread habitat destruction, primarily through deforestation. At the same time, the country has one of the most enlightened and dedicated approaches to conservation in the world. Students get to experience first-hand the difficulties involved in working toward a balance between humans and nature, or development and the preservation of environmental quality. It is also a unique opportunity for students to engage in critical and reflective thinking about our resources, the environment, and our place within it.

**ENSC 40193 Environmental Stewardship Seminar.** Three hours of lecture per week. This course examines the case environmental stewardship, defined as the need to make informed and responsible decisions with regard to the planet. Students meet in a seminar-type format and cover broad, integrating themes that then serve as a foundation for topics that address more specific environmental problems, such as global warming, deforestation, sustainable development, and energy depletion. The course exposes students to the foundations necessary to enable them to develop their own environmental ethic.

**ENSC 40503 Environmental Methods and Statistics.** Environmental Methods and Statistics is a laboratory- and field-based course that presents essential general science and specific environmental methods, techniques, and theory. Students are exposed to the basic tools of environmental science - observation and notation, data gathering, using statistics, sampling, lab and field techniques, surveying, and safety. Specific environmental methodologies relating to soil, water, and ecological systems are explained. The course presents a wide cross-disciplinary range of techniques and information with a unique environmental perspective.

**ENSC 40970 Special Problems.** Prerequisite: permission of instructor. Field and laboratory problems for advanced undergraduate students. Fifty clock hours of laboratory and field work for each semester hour credit. 1-6 semester hours.

**ENSC 50246 Biodiversity.** Prerequisites: Two semesters of college-level biology courses. This course introduces skills to describe and study the diversity of life. It is immersion, field-intensive instruction. General concepts include patterns of global biodiversity, biogeography of the Southern Plains, conservation biology, pressures on biodiversity, and national/international biodiversity protection efforts and policies. Field skill instruction starts with context description, emphasizing vegetation structure, followed by plant community description. Subsequent modules focus on inventorying animal communities, starting with insects and continuing with freshwater invertebrates, fish, amphibians, reptiles, birds and mammals. The field skill component of the course concludes with a week-long exercise in habitats outside of north-central Texas. Biodiversity information management is learned by developing a relational database coupled with a local Geographic Information System.



## General Studies Program

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[Degree Requirements](#)

[Pass/No Credit Option](#)

### **(BGS)**

A program leading to a Bachelor of General Studies (B.G.S.) degree is available for students whose educational goals may not be realized by traditional degree programs of the University. This program does not include a major or minor but does require that a student satisfy all general university requirements and have an emphasis of at least 24 hours. Emphasis areas are restricted to those that allow non-majors to take advanced level (30000 level or above) courses. Degree plans must be approved by the Director of General Studies.

### **Degree Requirements**

In addition to satisfying the TCU Core Curriculum Requirements, students must take:

1. A total of 124 semester hours.
2. A minimum of 24 semester hours in an emphasis area approved by the Director of General Studies,
3. Thirty-six semester hours at the advanced level (30000 level or above) with 24 or more of these advanced hours being taken at TCU. A minimum of 12 semester hours must be in the emphasis area.

The last 30 semester hours for the degree must be taken at TCU.

### **Pass/No Credit Option**

Courses in the emphasis area must be taken for letter grades.

# Geology

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[Requirements for the B.S. degree with a major in Geology](#)

[Requirements for the B.A. degree with a major in Geology](#)

[Requirements for a minor in Geology](#)

[Honors Program](#)

[Student Organizations](#)

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## (GEOL)

Available as a major or minor on the B.A. and B.S. degrees.

### Requirements for the B.S. degree with a major in Geology

Thirty-six semester hours in Geology including GEOL 10113, 30133, 30143, 30213, 30223, 30243, 30423 and 40516 and ENSC 10143. **Associated Requirements:** MATH 10524, and either 20524, or 10123; PHYS 10154, 10164 (or PHYS 20474, 20484); CHEM 10113, 10125, or CHEM 10113-10123-10122 or Chemistry 10114, 10124; COSC 10403 or MATH 10043 or INSC 20153. **Approved Electives:** Twelve semester hours of science electives, selected with regard to the interest of the student.

Students planning to pursue technical jobs or qualify for graduate work in geology are strongly advised to satisfy the requirements for the B.S. degree. Some Geology courses required for the B.S. degree require off-road field trips (particularly 40516, which requires a high degree of physical fitness and mobility). A total of 132 semester hours is required for graduation with the B.S. degree.

### Requirements for the B.A. degree with a major in Geology

Twenty-four semester hours in Geology consisting of GEOL 10113, 30133, 30143, 30213, 30223, 30243, 30423 and ENSC 10143. **Associated requirements:** CHEM 10113. Some Geology courses required for the B.A. degree require off-road field trips. **Minor:** Any minor approved for the B.A. degree is acceptable.

The B.A. degree with a major in Geology is devised primarily for the student seeking a curriculum combining geology with another field of study. A total of 124 semester hours is required for graduation with the B.A. degree.

### Requirements for a minor in Geology

A total of 18 semester hours in geology of which 9 semester hours must be at the 30000 level or above.

### Honors Program

Geology majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in GEOL 30003 during their junior year and GEOL 40013 during the fall semester of their senior year.

### Student Organizations

**Sigma Xi.** The department is a sponsor of Sigma XI, the Honor Society for Research in the Natural Sciences.

**Sigma Gamma Epsilon.** The department is a sponsor of Sigma Gamma Epsilon, the Honor Society for Research in the Earth Sciences.

### Pass/No Credit Option

Courses to be applied toward the major may not be taken on the Pass/No Credit basis.

### Courses of Instruction

**GEOL 10113 Understanding the Earth.** Two hours of lecture and two hours of laboratory per week. A study of the physical environment of the planet Earth, its makeup, the processes that mould its surface features and an introduction to the resources that it provides.

**GEOL 10123 Dinosaurs and Their World.** Three hours of lecture per week. A broad-based inquiry into dinosaurs and the biological and geological aspects of their world that uses information from many areas of science.

**GEOL 10433 The Abyss of Time: Freshman Seminar in Geology.** Freshman Seminar in Geology.

**GEOL 20213 Our Geological Legacy.** Prerequisite: GEOL 10113. Three hours of lecture per week. For the non-science major. Places society's relationship to geological phenomena within a scientific framework. Evaluates the apparent immutability of the earth. Field trip required.

**GEOL 30003 Honors Seminar.** Reading assignments and discussions on topics of great importance in geology.

**GEOL 30103 Science, Scientists and Society.** Three hours of lecture per week. A cross-disciplinary course in the natural sciences. The workings of science and scientists studied by examining recurring themes and selected episodes in the history of science. The scientific enterprise considered within the changing intellectual, cultural and social milieu in which it was practiced from Epicurus and Aristotle through Einstein and Heisenberg.

**GEOL 30113 Weather and Climate.** Three hours of lecture per week. Introduction to the basic concepts and principles of atmospheric science in a descriptive format; emphasizes the physics responsible for changes in weather and climate complemented with popular treatment.

**GEOL 30133 Historical Geology I.** Prerequisite: GEOL 10113 or equivalent. This first semester of a two semester lab/lecture introduces students to the general principles of earth history. Lab exercises and field trips introduce students to the practical aspects of earth history. Microscope work and field trips are mandatory.

**GEOL 30143 Historical Geology II.** Prerequisite GEOL 30133 or equivalent. This second semester of a two semester lab/lecture course continues with an in depth look at the details of the geological history of North America and the history of life on earth. Lectures focus on historical detail, while lab exercises and field trips focus on major groups of fossils in the lab and field. Microscope work and field trips are mandatory.

**GEOL 30153 Geology of National Parks.** Prerequisites: GEOL 10113, or permission of instructor. Study of dynamic geologic systems and the geology of the North American continent through the study of National Parks and Monuments in the United States. The three hours of lecture per week are designed for science majors and interested non-science majors, who wish to gain in-depth knowledge of processes that actively sculpt and have sculpted our continent through time. Particular emphasis is given to interpretation of visual features of the parks through visual aids. Discussions are encouraged and facilitated by the small class size.

**GEOL 30203 Catastrophes, Controversies, Genesis and Geology.** Three hours of lecture per week. The workings of science and scientists considered by examining the emergence of geology as a science in the late 18th and early 19th centuries and its development through the Victorian Age, including the rise and demise of scriptural geology and the impact of geologic thought on social mores and religious beliefs.

**GEOL 30213 Mineralogy.** Prerequisite GEOL 10113 or permission of the instructor. Two hours of lecture and one three hour laboratory period per week. A composite course consisting of an introduction to crystallography and a study of the common minerals.

**GEOL 30223 Petrology.** Prerequisite: GEOL 30213. Two hours of lecture and one three hour laboratory period per week. A basic course in the origin and identification of igneous, sedimentary and metamorphic rocks. Field trip required.

**GEOL 30233 Rock Cycle.** Prerequisite GEOL 10113 or permission of the instructor. Field seminar on the megascopic aspects of igneous, sedimentary and metamorphic rocks. Description and interpretation of features seen at scales between that of the individual outcrop and that of an entire basin.

**GEOL 30243 Sedimentology.** Prerequisite: GEOL 30223 or permission of the instructor. Two hours of lecture and one three hour laboratory period per week. Principles and techniques of facies analysis, including the description and origin of sedimentary textures and sedimentary structures, and the collection and analysis of paleocurrent data. Field trips required.

**GEOL 30323 Introduction to Marine Science.** Three hours of lecture per week. A study of the oceans including physiography, chemical, physical, biological, and geological processes and related products. (Offered as BIOL or GEOL credit.)

**GEOL 30423 Structural Geology.** Prerequisite: permission of the instructor. Two hours of lecture and one three hour laboratory period per week. An introductory study of the deformation of the Earth's crust. Field trips required.

**GEOL 30573 Stratigraphy.** Prerequisite Geol 10123 and/or permission of the instructor. Three hours of lecture. An introduction to the practical and theoretical aspects of stratigraphy and depositional systems. This course uses practical examples and field- and literature-based projects to familiarize students with the basic theoretical stratigraphic framework in which geology exists. An off-road field trip will be required.

**GEOL 40013 Honors Research.** Prerequisite: permission of the instructor. The student is required to do independent research on a geologic problem, submit a paper and give an oral presentation of the findings. A faculty supervisor will be appointed for each research problem.

**GEOL 40313 Invertebrate Paleontology.** Prerequisite: permission of the instructor. Two hours of lecture and one three hour laboratory period per week. Major groups of invertebrate fossils, their morphology, classification, paleoecology, geologic distribution and phylogeny. Field trips required.

**GEOL 40393 Soils in the Environment.** Prerequisite: one year of chemistry, GEOL 10143, or permission of the instructor. Two hours of lecture and one three hour laboratory period per week. This course covers the formation, distribution, and classification of soils: major soil properties; field evaluation of soils; the use of soil survey information; and soil hydrology. The emphasis is on the study of soils as products of biophysical processes, and on soil properties of interest to geoscientists and natural resource managers.

**GEOL 40413 Map Interpretation.** Prerequisite: permission of the instructor. Two hours of lecture and one three hour laboratory period per week. The construction and interpretation of geological maps.

**GEOL 40493 Geomorphology.** Prerequisite: permission of the instructor. Two hours of lecture and one two hour laboratory per week. Endogenic and exogenic processes and land forms; geologic control; short-term, long term and human-imposed landscape development; morphometric analysis and study of recent movements; environmental geomorphology.

**GEOL 40516 Summer Field Course in Geology.** Prerequisite: permission of the instructor. Field investigations and mapping. Those planning to enroll should contact the Department of Geology by March 1 of the year in which enrollment is contemplated. Field work in rough and robust terrain required; a high degree of physical fitness recommended.

**GEOL 40893 Senior Thesis.** Prerequisites: junior or senior status, a grade point of at least 3.00, and/or permission of instructor. Three hours of independent study with a focus on original research. The student is required to produce a bound thesis in a form suitable for publication in a scientific journal. Students are strongly recommended to enroll for this course in the penultimate semester of their degree plan with the expectation that the work may take more than a semester to complete.

**GEOL 40970 Special Problems.** Prerequisite: permission of instructor. Field and laboratory problems for advanced undergraduate students. Fifty clock hours of laboratory and field work for each semester hour credit. 1-6 semester hours.

**GEOL 50233 Optical Mineralogy and Petrography.** Prerequisite: permission of the instructor. Two hours of lecture and one three hour laboratory period per week. Analysis of the behavior of light in crystalline substances, complete treatment of crystal optics and the identification of non-opaque, rock-forming minerals using immersion media and thin section techniques. Intensive use of the microscope required.

**GEOL 50251 Scanning Electron Microscopy.** Prerequisite: permission of the instructor. Use of the S.E.M. in geological applications.

**GEOL 50331 Basic Seismics.** Prerequisites: GEOL 30243. Three hours of lecture per week for five weeks. An introduction to techniques of gathering, processing and interpreting seismic data.

**GEOL 50341 Interpreting Seismic Data.** Prerequisite: GEOL 30243. Three hours of laboratory per week for five weeks. A practicum in interpreting seismic data. Prerequisites: GEOL 50331 or equivalent.

**GEOL 50351 Seismic Stratigraphy.** Prerequisites: GEOL 50331 or equivalent. Three hours of lecture per week for five weeks. An introduction to the principles of seismic stratigraphy and their application in oil and gas exploration.

**GEOL 50361 Basic Well Log Interpretation.** Prerequisite: GEOL 30243. Three hours of lecture per week for five weeks. An introduction to the use of borehole geophysical logs in formation evaluation, correlation and subsurface facies analysis.

**GEOL 50413 Global Tectonics and Basin Analysis.** Prerequisite: permission of the instructor. Three hours of lecture per week. Explores the relationship between plate motion and the evolution of sedimentary basins.

**GEOL 50423 Petroleum Geology.** Prerequisite: permission of the instructor. Origin, migration and entrapment of hydrocarbons, exploration and production techniques used in the petroleum industry.

**GEOL 50493 Physical Hydrology.** Prerequisite Geol 10113 and permission of instructor. Two hours of lecture and two hours of laboratory per week. A study of the occurrence, movement, and exploitation of water in the hydrologic cycle including surface-atmosphere, groundwater, and surface water processes.

**GEOL 50543 Sedimentary Environments and Facies.** Prerequisite: permission of the instructor. Three hours of lecture per week. Facies analysis and facies models applied to the problem of interpreting stratigraphic sequences and reconstructing paleogeography.

#### **GEOL 50593 Hydrological Modelling.**

**GEOL 50593 Hydrologic Modeling.** Prerequisites: GEOL 50493, or permission of instructor. Elements of surface and ground water modeling with applications. Topics covered include: modeling procedures, selection of appropriate model, and presentation of results. Class consists of 2 hours lecture, and 2 hours hands-on computer modeling laboratory.

**GEOL 50602 Preparation of Environmental Impact Statements.** Two laboratory periods per week. The methodology of environmental impact statement preparation from initial collection of data to final report drafting is covered. The course is problem-oriented; students are taught to take the initiative in EIS preparation. (Offered as BIOL or GEOL credit.)

**GEOL 50603 Introduction to Geochemistry.** Prerequisite: CHEM 10114-10124 or permission of the instructor. Three hours of lecture per week. Application of basic chemical principles to understanding the origin, distribution and migration of chemical elements in the earth's lithosphere, hydrosphere, atmosphere and biosphere.

**GEOL 50613 Igneous and Metamorphic Petrology.** Prerequisite: GEOL 50233, or permission of instructor. Two hours of lecture and one three hour laboratory period per week. Petrogenesis of igneous and metamorphic rocks based on field, petrographic, chemical and isotopic data. Inferences on the evolution and dynamics of the crust and mantle. Involves use of microscope.

**GEOL 50623 Volcanology.** Prerequisite: GEOL 50233, or permission of instructor. Two hours of lecture and one three hour laboratory period per week. Types and processes of volcanic eruptions; characteristics of modern volcanic products; recognition and significance of ancient volcanic deposits in the stratigraphic record. Involves use of microscope. Field trip required.

**GEOL 50712 Environmental Geology.** Prerequisite: permission of the instructor. Three hours of lecture per week for ten weeks. Geologic processes, earth resources and engineering properties of crustal materials in the activities of society.

**GEOL 50723 Introduction to Geographic Information Systems.** Basic introduction to GIS by use of ESRI-ArcGIS. Elements of spatial data, mapping, data representation, and geodatabases. Training in use of a GIS system to infer relationships among spatial features.

**GEOL 50731 Remote Sensing Technology.** Prerequisite: Permission of the instructor. Three hours of lecture per week for five weeks. An introduction to the technology used in remote sensing, including MSS, TM and SPOT, thermal scanners and radar imaging.

**GEOL 50741 Image Processing.** Prerequisite: permission of the instructor. Three hours of lecture per week for five weeks. An introduction to processing techniques used to enhance the display of remote sensing images with emphasis on those techniques useful in resource mapping.

**GEOL 50751 Image Interpretation.** Prerequisite: permission of the instructor. Three hours of lecture per week for five weeks. Geologic and resource mapping and environmental monitoring using satellite images.

**GEOL 50773 Introduction to Environmental Law.** Three hours lecture per week. Introduction to and analysis of selected federal statutes regulating environmental degradation and environmental clean-up, including the National

Environmental Policy Act and regulation of air quality, water quality, wastes, hazardous and toxic substances and enforcement. (Offered as BIOL or GEOL credit.)

**GEOL 50783 Environmental Chemistry.** Prerequisites: CHEM 10114-10124 or permission of the instructor. Three hours of lecture per week. Chemistry of water, soil, energy, and air as related to environmental problems. Subjects include: nutrients and eutrophication, fluorocarbons, sulfur and nitrogen oxides, Eh-pH relationships, natural carbonate reactions, and cation exchange phenomena. Cross listed with CHEM 40783.

**GEOL 50863 Spatial Analysis.** Prerequisites: GEOL 50721, 50762, MATH 10043 or equivalent. Application of spatial methods to interpolate surfaces from point measurement, obtaining new spatial attributes on continuous fields, and the ability to defend hypothesis based on spatial information. This course provides analytical capabilities beyond GEOL 50762.

**GEOL 50883 Introduction to Environmental Engineering Technology.** Introduction to fundamentals of pollution control technology; impact of federal and state legislation on the construction, modification and control of industrial plants. Other topics include hazardous pollutants, modification to ambient quality, and basic pollution modeling. (Offered as BIOL or GEOL credit.)

**GEOL 50901 Computer Applications in Geology.** Prerequisites: COSC 10403 or equivalent and permission of the instructor. Three hours of lecture per week for five weeks. The use of microcomputers in Geology.

**GEOL 50912 Statistical Applications for Microcomputers.** Prerequisite: GEOL 50901. Three hours of lecture per week for ten weeks. Statistical treatment of directional data and the use of multivariate and special regression techniques, analysis of variance, discriminate function analysis and factor analysis in solving geologic problems.

**GEOL 50922 Mapping Applications for Microcomputers.** Prerequisite: GEOL 50901. Three hours of lecture per week for ten weeks. Selecting and using mapping and drafting software.

## Health Care Ethics

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### Overview

Available as a minor. 18 semester hours, with courses to be taken from at least three different academic units, as follows:

#### *Required Courses (9 hours):*

PHIL 10003 Philosophy One  
NURS 30053 Critical Inquiry into Health Care Delivery  
SOCI 20223 Social Problems

#### *Elective Courses (9 hours):*

HIST 40803 History of Medicine and Public Health  
NURS 40113 Ethical Dilemmas in Health Care  
PHIL 30313 Moral Problems  
PHIL 30363 Ethic and Health Care  
PHIL 40393 Ethical Theory  
RELI 30083 Religion and Environmental Ethics  
RELI 30723 Religion and Science  
SOCI 30223 Contemporary Topics in Sociology  
SOCI 30483 Death and Dying  
SOCI 30643 Sociology of Aging  
SOCI 40523 Health, Illness and Medicine  
SOWO 40520 Contemporary Topics in Social Work

# Mathematics

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## [General Information](#)

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[Actuarial concentration in Mathematics](#)

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[Secondary and Middle School Mathematics Certification](#)

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## **(MATH)**

Available as a major and a minor on the B.A. and B.S. degrees.

### **General Information**

Factors which determine a student's placement include 1) high school credits presented, 2) scores achieved in the SAT, ACT, or other appropriate examination, and 3) performance in advanced placement examinations. Advanced placement, with credit, is available for MATH 10052, 10053, 10524, and 20524.

For a student taking a major in mathematics (B.A. or B.S.), the recommended sequence for the first four semesters is MATH 10524, 20524, 30224, and 30524. In either the first or second semester the student should also complete Computer Science 10403 or Computer Science 10503. In addition, MATH 10123 should be taken in one of the first four semesters.

Students planning to do graduate work in mathematics should take MATH 50253, 50263, 50503, and 50513.

Students with majors in business ordinarily select from MATH 10053, 10283, 10524, and 20524. Credit is not allowed for both MATH 10043 and INSC 20153.

Credit is not allowed for both MATH 10283 and MATH 10524.

### **Requirements for the B.A. with a major in Mathematics**

28 semester hours of mathematics with a grade of C or better, of which 19 must consist of MATH 10123, 10524, 20524, 30224, and 30524. An additional 9 hours must be chosen from among MATH 10143 and mathematics courses at or above the 30000-level. Also required are Computer Science 10503 or Computer Science 10403 or 10503 and Physics 20474 and 20484. A minimum of 124 semester hours is required for the degree.

### **Requirements for the B.S. with a major in Mathematics**

40 semester hours of mathematics with a grade of C or better, of which 28 must consist of MATH 10123, 10524, 20524, 30224, 30524, 30803, 50253, and 50503. An additional 12 semester hours from among MATH 10143 and mathematics courses at or above the 30000-level are required. Also required are Computer Science 10503 or Computer Science 10403 or 10503 and Physics 20474 and 20484. A minimum of 132 semester hours is required for the degree.

### **Actuarial concentration in Mathematics**

This program may be pursued under either the B.A. or B.S. option as described above. Mathematics coursework for the actuarial concentration must include MATH 30603, MATH 30803, MATH 30853, and MATH 40603. Additional required courses outside the Mathematics Department are Econ 10223, Econ 10233, Econ 30223 and Econ 30233 as well as Acct 20153, Acct 20163 and Fina 30153. Students seeking a BA degree are advised to consider a minor in Economics. All actuarial students need to work closely with an advisor to plan course schedules.

### **Requirements for a minor in Mathematics**

18 semester hours of Mathematics with a grade of C or better, including MATH 10524, 20524 and 30224, and an additional 6 semester hours from among Math 10123 and courses at or above the 30000-level. Computer Science 10403 or Computer Science 10503 is also required.

### **Secondary and Middle School Mathematics Certification**

Students seeking certification for either grade levels 8-12 or 4-8 should be advised by both a Mathematics faculty member and an advisor in the School of Education. Secondary certification in Mathematics requirements include a major in Mathematics (BA or BS) and an Educational Studies Minor. Middle School mathematics majors pursue a BSE degree from the School of Education.

### **Honors Program**

Mathematics majors who plan to pursue departmental honors must be members of the Honors Program. A minimum 3.5 GPA in the major is required. Course work must include at least three of Math 40353, 40663, 50253, 50263, 50323, 50403, 50503, 50513, 50613, 50623, 50633, and 50703, or substitutes approved by the department. Students should enroll in Math 30000 during their junior year and Math 40000 during the fall semester of their senior year. Departmental honors further require satisfactory presentation of thesis results to faculty.

### **Affiliations**

TCU is an institutional member of the American Mathematical Society and of the Mathematical Association of America. The department holds a charter for Texas Alpha Chapter of Pi Mu Epsilon, a national mathematics honor society, and also participates in the sponsoring of a chapter of Sigma Xi, the honor society for research in the

natural sciences.

### Pass/No Credit Option

Mathematics courses to be applied to a major in mathematics may not be taken Pass/No Credit.

### Courses of Instruction

**MATH 10023 Fundamentals of Algebra.** Operations with polynomials. Fractions and exponents. Linear and quadratic equations, with applications. Arithmetic, geometric, and binomial series. Note: This course does not satisfy the UCR in mathematics. Credit will not be given in this course to anyone who has already received credit for any other mathematics course at TCU or comparable or higher-level course at other institutions or credit through AP/CLEP exams.

**MATH 10033 Topics in Mathematics.** Prerequisite: MATH 10023 or two years of high school algebra and one year of geometry. A selection of topics of general interest and some degree of applicability, such as mathematical modeling, geometry, deductive reasoning, mathematics of finance, probability, and statistics.

**MATH 10043 Elementary Statistics.** Prerequisite: MATH 10023 or two years of high school algebra. Empirical frequency distributions, binomial and normal distributions. Regression and correlation. Statistical inference.

**MATH 10052 Trigonometry.** Prerequisite: MATH 10023 or two years of high school algebra and one year of geometry. The trigonometric functions, their graphs, and applications. Note: This course does not satisfy the UCR in mathematics.

**MATH 10053 Precalculus Algebra.** Prerequisite: MATH 10023 or two years of high school algebra and one year of geometry. A conceptual introduction to functions with particular emphasis on topics needed for calculus. Study of linear, exponential, logarithmic, polynomial, and rational functions. Note: This course does not satisfy the UCR in mathematics.

**MATH 10123 Discrete Mathematics I.** Prerequisite: MATH 10053 or two years of high school algebra. Discrete algebraic structures. Algorithms and applications to programming. Selected topics such as recursion and induction, combinatorics, binary relations, graphs and trees, language, automata.

**MATH 10143 Discrete Mathematics II.** Prerequisite: MATH 10123. Continuation of MATH 10123.

**MATH 10273 Applied Precalculus.** Prerequisites: MATH 10023 or two years of high school algebra. Precalculus treatment of polynomial, rational, exponential and logarithmic functions. Additional special applications from the mathematics of finance and probability. NOTE: Credit will not be given for both MATH 10053 and MATH 10273.

**MATH 10283 Applied Calculus.** Prerequisite: MATH 10273 with a grade of C or better, or MATH 10053 with a grade of C or better, or high school precalculus and a score of 600 or higher on the SAT Math exam. The elements of calculus, with applications to business and economics. Note: credit will not be given for both MATH 10283 and MATH 10524.

**MATH 10524 Calculus I.** Prerequisite: MATH 10053 and MATH 10052 or equivalents. Differential and integral calculus of elementary functions, including exponential, logarithmic, and trigonometric functions. Applications. Note: credit will not be given for both MATH 10283 and MATH 10524.

**MATH 20053 Fundamentals of Modern Mathematics.** Systems of enumeration, change of base. Axiomatic approach to mathematical structures. Development of the real number system. Sets, logic, and the nature of mathematical proof. Relations, including inequalities in two variables, and functions. Note: may not be counted toward a major or minor in mathematics. Also, this course does not satisfy the UCR in mathematics.

**MATH 20063 Topics in Modern Mathematics.** Prerequisite: MATH 20053. Logic and an introduction to mathematical reasoning. Probability and elementary statistics. Geometry. Systems of measurement. Note: may not be counted toward a major or minor in mathematics.

**MATH 20524 Calculus II.** Prerequisite: MATH 10524. Techniques of integration and applications. Infinite series. Differential equations as time permits.

**MATH 20970 Special Topics.** 1 - 3 semester hours.

**MATH 30000 Honors Seminar.** Prerequisite: MATH 30224 or permission of the instructor. 1 - 3 semester hours.

**MATH 30133 Symbolic Logic I.** An introduction to the scope and limits of modern logic. The nature of logical systems and the various areas of logic are discussed. Alternative proof- procedures in propositional logic and predicate logic are presented. (Offered as MATH or PHIL credit.)

**MATH 30143 Symbolic Logic II.** Prerequisite: PHIL 30133. A continuation of 30133, with an emphasis on predicate logic, nonstandard logic, and metalogic. (Offered as MATH or PHIL credit.)

**MATH 30224 Linear Algebra.** Prerequisite: MATH 10524 and either MATH 10123 or MATH 20524. Vector spaces, linear independence, bases, and dimension. Linear mappings, matrices, and determinants. Eigenvalues and eigenvectors, diagonalization.

**MATH 30524 Calculus III.** Prerequisite: MATH 20524. Vector calculus and multiple integration. Optimization and Lagrange multipliers. Vector fields and potential functions. Gradient, curl, and divergence. Line and surface integrals. The theorems of Green, Stokes, and Gauss, as time permits.

**MATH 30603 Interest Theory.** Prerequisite: MATH 20524. A rigorous development of the theory of interest in



both discrete and continuous time. Present value, yield rates, compound interest, amortization, and cash flows. Selected financial applications to bonds and securities.

**MATH 30613 Differential Equations.** Prerequisite: MATH 20524. Solution techniques for ordinary differential equations. Systems of differential equations. Mathematical modeling and applications.

**MATH 30803 Probability and Statistics I.** Prerequisite: MATH 10524. Probability theory. Permutations, combinations, elementary probability, and the binomial theorem. Frequency distributions, mean and standard deviation.

**MATH 30853 Statistics.** Prerequisites: MATH 20524 and 30803. Organization and analysis of data. Descriptive statistics. Confidence intervals and hypothesis testing. As time permits, topics in regression, analysis of variance, nonparametric statistics, sampling methods.

**MATH 40000 Undergraduate Research.** Prerequisite: twelve semester hours of mathematics. (1-3 semester hours).

**MATH 40353 Topology.** Prerequisite: MATH 30224 and 30524. Topological spaces, bases, connectedness, compactness. Continuous functions and homeomorphisms. Separation properties. Product and quotient spaces. Metric spaces.

**MATH 40603 Actuarial Mathematics.** Prerequisites: MATH 30524 and 30803. Applications of calculus, probability, and statistics, emphasizing problems in risk management and insurance.

**MATH 40663 Numerical Analysis.** Prerequisite: MATH 20524, 30613, and competence in a high-level programming language. Interpolation. Solution of nonlinear equations. Numerical integration and differentiation. Approximate solutions to ordinary differential equations.

**MATH 40970 Special Topics.** Prerequisite: MATH 30524 or permission of the instructor. 1 - 6 semester hours.

**MATH 50073 History of Mathematics.** Prerequisite: advanced standing in mathematics or permission of the instructor. A survey of the history of mathematics from ancient times to the seventeenth century. Emphasis on topics closely related to contemporary mathematics

**MATH 50073 History of Mathematics.** Prerequisite: Advanced standing in mathematics, or permission. The history of mathematics from the times of ancient Egypt and Mesopotamia until the advent of calculus in the seventeenth century.

**MATH 50253 Abstract Algebra I.** Prerequisite: MATH 10123 and MATH 30224. Introduction to groups and rings. Homomorphisms, isomorphisms, subgroups, and ideals. Quotient and product structures.

**MATH 50263 Abstract Algebra II.** Prerequisites: MATH 50253. A continuation of MATH 50253. Introduction to field extensions and Galois Theory. Advanced topics in groups and rings.

**MATH 50303 Studies in Geometry and Topology.** Prerequisite: Twelve semester hours of mathematics, and permission of the instructor. Topics include the topology of surfaces, convex sets, networks, and non-Euclidean Geometry.

**MATH 50303 Studies: Geometry-Topology.** Prerequisite: Twelve semester hours of mathematics, and permission of the instructor. Analytic geometry of euclidean space, topology of euclidean space and surfaces, metrics, non-euclidean geometry.

**MATH 50323 Differential Geometry.** Prerequisite: MATH 30224 and 30524. Calculus on euclidean space. Geometry of curves and spaces.

**MATH 50403 Complex Analysis.** Prerequisite: MATH 30524. Analytic functions, harmonic functions, and the Cauchy-Riemann equations. Conformal mappings. Cauchy's integral theorem and formula, with applications. Power series and analytic continuation.

**MATH 50503 Real Analysis I.** Prerequisite: Math 10123, Math 30224, and Math 30524. A rigorous development of elementary limit processes. Continuity, sequences, series, differentiation, integration.

**MATH 50513 Real Analysis II.** Prerequisite: Math 50503. A continuation of Math 50503. Multivariable calculus, including the Implicit Function Theorem and change of variables. Other selected topics.

**MATH 50613 Partial Differential Equations.** Prerequisite: Math 30613. Basic theory of hyperbolic, parabolic, and elliptic partial differential equations.

**MATH 50623 Applied Mathematics I.** Prerequisite: Math 30224, Math 30524 and Math 30613. Selected topics, such as linear and nonlinear systems, equilibria, Fourier series, computational graph theory, optimization and linear programming, calculus of variations, complex integration.

**MATH 50633 Applied Mathematics II.** Prerequisite: MATH 50623. Continuation of MATH 50623.

**MATH 50703 Number Theory.** Prerequisite: Math 10123 and Math 30224. Properties of the integers. Divisibility, prime numbers, modular arithmetic, Chinese Remainder Theorem, Diophantine equations.

# Neuroscience

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## [Requirements](#)

### [Pass/No Credit Option](#)

Available as a major on the B.S. degree.

This interdisciplinary major is built upon the understanding of basic principles in neuroscience. Neuroscience blends areas within Psychology, Biology and Chemistry which converge on the understanding of the brain and its relationship to the behavior and physiology of living organisms. A total of 132 semester hours is required. Students may obtain information and/or advisement from the Department of Psychology.

## Requirements

The program consists of the following requirements:

### 1. BIOLOGY-20 hours

#### A. Required Courses, 8 hours:

BIOL 10504 Principles of Life Sciences  
BIOL 10514 Principles of Life Sciences

#### B. Minimum of 12 hours selected from:

BIOL 30303 Microbiology  
BIOL 30404 Comparative Vertebrate Anatomy  
BIOL 30603 Cellular, Molecular and Developmental Biology  
BIOL 40123 Genetics  
BIOL 40203 Histology  
BIOL 40404 General Animal Physiology

### 2. CHEMISTRY-23 hours

#### A. Required Courses, 18 hours:

CHEM 10113-10125 General Chemistry or  
CHEM 10123-20123 Chemistry  
CHEM 30122 Organic Chemistry Laboratory  
CHEM 30123-30133 Organic Chemistry  
CHEM 30132 Organic Qualitative Analysis

#### B. Minimum of 6 hours selected from:

CHEM 50133 Biochemistry  
CHEM 50143 Biochemistry  
CHEM 50502 Biochemistry Laboratory  
CHEM 50993 Neurochemistry

### 3. PSYCHOLOGY-23 hours

#### A. Required Courses, 8 hours:

PSYC 10514 Principles of Behavior I  
PSYC 10524 Principles of Behavior II

#### B. Minimum of 6 hours selected from:

PSYC 30363 Abnormal Psychology  
PSYC 30414 Experimental Psychology: Learning  
PSYC 30423 Experimental Psychology: Perception  
PSYC 30433 Experimental Psychology: Motivation  
PSYC 30503 Behavioral Research

#### C. Minimum of 9 hours selected from:

PSYC 30463 Physiological Psychology  
PSYC 30483 Neuropsychology  
PSYC 50463 Fundamentals of Neuroscience  
PSYC 50472 Laboratory in Physiological Psychology and Neuroscience  
PSYC 50482 Laboratory in Physiological Psychology and Neuroscience  
PSYC 50513 Psychopharmacology

### 4. PHYSICS-8 hours

PHYS 10154 General Physics I

PHYS 10164 General Physics II

5. MATHEMATICS AND COMPUTER SCIENCE-Minimum of 6 hours selected from

MATH 10043 Elementary Statistics

MATH 10524 Calculus I

COSC 10403 Introduction to Programming

**Pass/No Credit Option**

Pass/No Credit is acceptable for courses in the major and minor, if any.

## Nutritional Sciences

[Option I. Coordinated Program in Dietetics](#)

[Option II. Nutrition \(Didactic Program in Dietetics\)](#)

[Option III. Food Management](#)

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### (NTDT)

Available as a major on the B.S. degree and a minor on the B.S. and B.A. degrees. The three degree options include:

Option I - Coordinated Program in Dietetics (American Dietetic Association)

Option II - Nutrition (Didactic Program in Dietetics, American Dietetic Association)

Option III - Food Management

General Requirements. All B.S. degrees in Nutritional Sciences follow the TCU Core Curriculum Requirements for the College of Science and Engineering.

### Option I. Coordinated Program in Dietetics

A Coordinated Program in Dietetics is an academic program in a US regionally accredited college or university that culminates in a minimum of a baccalaureate degree. The Coordinated Program in Dietetics (CPD) at TCU offers the unique opportunity to acquire both the required didactic instruction (lecture and laboratory courses) and 1000 clock hours of supervised practice necessary to meet the Foundation Knowledge and Skills and Competencies for Entry-Level Dietitians and the Standards of Education of the Commission on Accreditation for Dietetics Education (CADE) of The American Dietetic Association. Graduates receive verification/establish eligibility to write the registration examination for dietitians and/or apply for active membership in The American Dietetic Association.

Admission to TCU is required for all programs; however, admission to the University does not guarantee admission to the Coordinated Program in Dietetics. Eligibility for admission to the Coordinated Program in Dietetics is based on successful completion of at least 60 semester hours with a cumulative GPA of at least 2.7 on a 4.0 scale, 39 semester hours of required prerequisites and major courses (as listed below), and an application packet. Application packets for the Coordinated Program must be received by February 1, and applicants are notified of provisional acceptance by April 15. Students who are accepted will begin course work and supervised practice the subsequent fall semester. Final acceptance/enrollment in the Coordinated Program in Dietetics depends on successful completion of work in progress and required summer school prerequisites. A student's continuation in the program is contingent upon attainment of a strong academic record and successful completion of the program sequence.

The mission of the Coordinated Program in Dietetics at TCU is to educate competent entry-level dietitians within the liberal arts environment. In addition, the CPD provides the student with Foundation Knowledge and Skills and Competencies for entry-level dietitians in compliance with the Standards of Education of The American Dietetic Association. The CPD combines course work emphasizing the foundation of dietetic knowledge (communications, physical and biological sciences, social sciences, research, food, nutrition, management, and health care systems) and supervised practice experiences. The supervised practice experience involves working with dietetic professionals to demonstrate performance in medical nutrition therapy, community nutrition, food service systems management, and business/entrepreneurial dietetics.

Costs for tuition and university fees are available through the Office of Admissions or Financial Services. More detailed costs for students are outlined in the CPD Student Handbook and include approximately \$1000-1500 per year for travel to supervised practice sites, lab fees, photocopying, school and office supplies, textbooks, lab coats, malpractice insurance, and professional dues.

The Texas Christian University Coordinated Program in Dietetics is currently granted accreditation by the Commission on Accreditation for Dietetics Education (CADE) of The American Dietetic Association, 120 South Riverside Plaza, Chicago, Illinois 60606, 312/899-0040, ext. 5400.

**Major Requirements:** NTDT 10003, 10103, 20403, 21163, 30123, 30144, 30303, 30304, 30313, 30316, 30331, 30333, 40333, 40337, 40343, 40353, 40363, 40364, 40373, 40403. Total NTDT credit hours: 68. Other Required Courses: CHEM 10113, 10125, 30123 (or equivalent) 40501 and 40503; BIOL 20214 and 20233; MATH 10043; ECON 10223; SOCI 20213; PSYC 10213, MANA 30153. No minor is required. Recommended elective: NTDT 30133.

A minimum of 126 semester hours is required for the baccalaureate degree.

### Option II. Nutrition (Didactic Program in Dietetics)

A Didactic Program in Dietetics is an academic program in a US regionally accredited college or university that culminates in a minimum of a baccalaureate degree. The Didactic Program in Dietetics (DPD) at TCU offers the required didactic instruction (lecture and laboratory classes) to meet the Foundation Knowledge and Skills and Competencies for Education of the Commission on Accreditation for Dietetics Education (CADE) of The American Dietetic Association. Graduates of the DPD are eligible to apply for a post-baccalaureate supervised practice program (Dietetic Internship) leading to eligibility to write the registration examination for dietitians and/or apply for associate membership in The American Dietetic Association. Completion of TCU DPD requirements includes attainment of a minimum cumulative grade point average of 2.7 (based on a 4.0 scale) upon graduation and successful completion of the program sequence.

The mission of the Didactic Program in Dietetics at TCU is to educate students within a liberal arts environment and to provide Foundation Knowledge and Skills for the didactic component of entry-level dietetic programs. The DPD combines coursework emphasizing the foundations of dietetic knowledge (communications, physical and biological sciences, social sciences, research, food, nutrition, management, and health care systems).

Costs for tuition and university fees are available through the Office of Admissions or Financial Services. More detailed costs for students are outlined in the DPD Student Handbook and include approximately \$500-1000 per year for items such as textbooks, lab fees, photocopying, school and office supplies, lab coat, and professional dues.

The Texas Christian University Didactic Program in Dietetics is currently granted accreditation by the Commission on Accreditation for Dietetics Education (CADE) of The American Dietetic Association, 120 South Riverside Plaza, Chicago, Illinois 60606, 312/899-0040, ext. 5400.

Major Requirements: NTDT 10003, 10103, 20403, 21163, 30123, 30133, 30144, 30303, 30313, 30331, 30333, 40333, 40343, 40353, 40363, 40403. Total NTDT credit hours: 47. Other Required Courses: CHEM 10113, 10125, 30123(or equivalent), 40501, and 40503; BIOL 20214 and 20233; MATH 10043; ECON 10223; SOCI 20213; PSYC 10213, MANA 30153. No minor is required.

A minimum of 126 semester hours is required for the baccalaureate degree.

### Option III. Food Management

The Food Management major is designed for students who elect to emphasize the business aspects of the food and nutrition industry. It offers a four-year curriculum emphasizing course work in the procurement, production, distribution, service, and management of foodservice systems and results in a baccalaureate degree. The major culminates in a supervised practice experience in the food industry or a foodservice operation. A minor in general business, public relations/advertising, or radio-tv-film is required.

Graduates of this program are eligible for positions in sales (food and equipment vendors); promotion (food brokers and advertising); consumer education (industry representatives and professional food demonstrators); food safety and sanitation; media (radio, television, newspaper and other publications); operations (commercial, institutional, and military foodservice establishments); and/or entrepreneurial ventures (catering, consulting, and food styling).

**Major Requirements:** NTDT 10003, 10103, 20403, 21163, 30103, 30123, 30133, 30144, 30303, 30313, 40353, 40403, 40970. Total NTDT credit hours: 41-43. Other Required Courses: CHEM 10113, 10125 BIOL 20233, MATH 10043, ACCT 20153, MANA 30153, MARK 30153. Recommended Electives: NTDT 40163, ACCT 20153 and 20163, FINA 30153 MANA 30203.

**Minor Requirements:** General Business, Public Relations/Advertising, Radio-Television-Film or other approved minor.

A minimum of 124 semester hours is required for the baccalaureate degree.

### Requirements for a Minor in Nutrition

To earn a minor in Nutrition, the student must complete 18 semester hours in Nutrition. Required courses include NTDT 10103, 20403, 30123, 30333, and 40363. The remaining three advanced hours may be selected from the following courses: NTDT 30133, 40333, 40343, or 40403.

### Honors Program

Nutritional Sciences majors who plan to pursue Departmental Honors must be members of the Honors Program and should enroll in NTDT 30003 during their junior year and NTDT 40003 during the fall semester of their senior year.

### Affiliations

Students who demonstrate high scholarship are eligible for membership in the Beta Zeta chapter of Phi Upsilon Omicron, national honor society. The department sponsors a chapter of the Texas Student Dietetic Association. All NTDT majors are encouraged to join the American Dietetic Association (ADA), as well as the state and local chapters of the ADA.

### Pass/No Credit Option

All courses in the Department of Nutritional Sciences applied toward the major and minor must be taken on the letter grade system.

### Courses of Instruction

**NTDT 10003 Contemporary Issues in Nutrition.** A study of contemporary issues in nutrition and food science that impact the individual and span the global community. Two hours lecture and one two-hour laboratory period per week is designed for non-science majors. Course is offered with eCollege components that support learning by multiple instructional formats including lecture, class discussions, lab interactives, group learning projects and oral presentations, and a community service-learning project. Laboratory interactives will include traditional and computer laboratory exercises.

**NTDT 10103 Food Preparation.** Two 1-hour lectures, one 2-hour laboratory per week. Scientific principles and fundamental processes underlying food preparation with practical application.

**NTDT 10201 Nutrition Concepts.** Not available to students who have completed NTDT 10403 or 20403. Nutrition information necessary for health promotion.

**NTDT 10211 Nutrition and Weight Control.** Relationship of nutrition to weight control.

**NTDT 10221 Sports Nutrition.** Basic fundamentals of nutrition applicable to the sports-minded individual.

**NTDT 10433 Freshman Seminar in Nutrition Sciences.** Topics may vary each time it is offered.

**NTDT 20113 Issues of Food in Society.** An in-depth study of local, national, and international food issues and the way critical analysis and rational thought can be utilized in the study of these issues. The role of ethics in determining values and justifying positions related to food and nutrition is emphasized.

**NTDT 20383 Computer Applications in Foodservice and Nutrition Care Systems.** Experience in computer software applications in word processing, spreadsheet analysis, graphic data representation, nutrient analysis, nutritional assessment, and foodservice operational subsystems.

**NTDT 20403 Nutrition.** The science of nutrition integrating physiological, biochemical, and psychological aspects of food ingestion and nutrient utilization. Students will not receive credit for both NTDT 20403 and 10201.

**NTDT 20433 Issues and Insights in Foods and Nutrition.** An in-depth study of local, national, and international food issues and the way critical analysis and rational thought can be utilized in the study of these issues. The role of ethics in citizenship and social values will be utilized to justify positions related to foods and nutrition. Issues and insights regarding the relationship of food/nutrition to health and well-being is emphasized so that students are able to demonstrate an understanding of individual rights/responsibilities and critically assess the intentions and consequences of personal, professional, or societal actions. Problem solving, critical thinking, and various methods of inquiry are emphasized in discussions/assignments related to ethical dilemmas surrounding controversial food/nutrition-related issues. Students may not receive credit for both NTDT 10433 and NTDT 20433.

**NTDT 21163 Food and Culture.** This course addresses the cultural and social meanings of food. It explores the study of world food patterns, including food customs of peoples with different ethnic backgrounds. An emphasis is placed upon the significance of the social, economic, religious, and aesthetic aspects of food customs. Learning activities include lectures, group discussions, film/videos, mapping, cooking demonstrations and food tastings, and individual field experiences.

**NTDT 30003 Honors Seminar.** Prerequisite: Advanced standing in Nutrition and Dietetics and recommendation of the chair. Studies, reports and discussions of literature related to significant problems and trends in Nutrition and Dietetics. Selection and design of a research project.

**NTDT 30103 Gourmet Foods.** Two 1-hour lectures, one 2-hour laboratory per week. Planning, preparation and presentation of nutritious, attractive gourmet food, with practical laboratory experiences.

**NTDT 30123 Nutrition Throughout the Life Cycle.** A study of the relationship of nutritional requirements to the life cycle, prenatal to old age; cultural and socioeconomic factors related to food with major focus on nutrition and health; nutritional assessment; interrelationships of nutrients; other nutrition related issues such as dental health, weight management, athletic training, drugs and alcohol, government agencies, and nutrition education for all age groups.

**NTDT 30133 Meal Management.** Two 1-hour lectures, one 2-hour laboratory per week. Managing resources in meal planning and preparation; technology of food preservation; identification of market places and legislative concerns; aesthetic and practical experience in a laboratory.

**NTDT 30144 Quantity Food Production.** Three 1-hour lectures and one 3-hour laboratory/supervised practice per week. Prerequisite: NTDT 10103. Advanced study in food preparation, emphasizing standards, principles and techniques of producing quality food in quantity. Care and use of equipment, work simplification, menu planning, and basic cost controls.

**NTDT 30303 Overview of Foodservice and Nutrition Care Systems.** Prerequisite: MANA 30153 or permission of instructor. Introduction to foodservice and nutrition care systems emphasizing the systems approach, managerial principles, organizational behavior, educational principles, personnel management and counseling.

**NTDT 30304 Supervised Practice in General Dietetics.** Two lecture hours and six to eight hours of supervised practice per week. Prerequisite: Admission to Coordinated Program in Dietetics and concurrent enrollment in NTDT 30303. Introduction to the practice of all aspects of dietetics through weekly observation and participation in foodservice and nutrition care settings.

**NTDT 30313 Food Systems Management.** Prerequisites: NTDT 30144 and 30303. Systems approach to the organization and management of foodservice operations including the functional subsystems (procurement, production, service, and maintenance).

**NTDT 30316 Supervised Practice in Food Systems Management.** Two lecture hours and sixteen hours of supervised practice per week. Prerequisites: Admission to Coordinated Program in Dietetics and concurrent enrollment in NTDT 30313. Selected problems and supervised practice directly correlated with NTDT 30313.

**NTDT 30331 Medical Terminology.** Prerequisites: NTDT 20403 and 30123. Terminology describing normal anatomical, physiological, and psychological conditions and those related to disease and its treatments. For students entering nutrition, dietetics, and allied health professions. Students must be concurrently enrolled in NTDT 30333 - Medical Nutrition Therapy I or obtain permission from instructor.

**NTDT 30333 Medical Nutrition Therapy I.** Prerequisites: NTDT 20403 and 30123, CHEM 30123 and BIOL 20214, or permission of the instructor. Knowledge and skills necessary for nutrition assessment as a component of Medical Nutrition Therapy. Lecture and laboratory format provide skill enhancement in nutrition counseling, dietary evaluation, nutrition support, and calculation of therapeutic diets.

**NTDT 40003 Senior Honors Research.** Prerequisite: Advanced standing in Nutrition and Dietetics and recommendation of the chair. Preparation of a research paper under the direction of the Nutrition and Dietetics faculty. The paper will be designed to partially fulfill the requirement for Departmental Honors.

**NTDT 40333 Medical Nutrition Therapy II.** Prerequisites: NTDT 30333 and CHEM 40503, or permission of the instructor. Physiological and biochemical abnormalities associated with various diseases and disorders. Advanced knowledge and techniques necessary for comprehensive medical nutrition therapy. Discussion of the importance of

nutrition intervention and the role of the registered dietitian as a member of the health care team.

**NTDT 40337 Supervised Practice in Medical Nutrition Therapy.** Two lecture hours and 20 hours of supervised practice per week. Prerequisites: Enrollment in Coordinated Program in Dietetics, NTDT 30316 and concurrent enrollment in NTDT 40333. Application of principles of nutritional care in a clinical setting under the supervision of a Registered Dietitian.

**NTDT 40343 Advanced Nutrition.** Prerequisites: NTDT 20403 and 30123; BIOL 20214; CHEM 30123, 40501, and 40503. Nutrition science using physiological and biochemical bases. Evaluation of current nutritional frauds.

**NTDT 40353 Experimental Foods.** Two 1-hour lectures and one 2-hour laboratory per week. Prerequisites: NTDT 10103, 20403, CHEM 30123 or permission of instructor. Advanced theory and methods used in study of chemical and physical factors affecting food preparation and processing. Application of analytical methods to sensory and instrumental evaluation of food quality.

**NTDT 40363 Community Nutrition.** Prerequisites: NTDT 30123, 30303, or permission of instructor. Nutritional problems and the services available in the community. Management of nutrition services, provision of nutrition information to the public, and the legislative process.

**NTDT 40364 Supervised Practice in Community Nutrition.** Two lecture hours and twenty hours of supervised practice per week 8 weeks. Prerequisites: Enrollment in Coordinated Program in Dietetics, NTDT 40337, and concurrent enrollment in NTDT 40363. Supervised experiences in selected community agencies and schools with emphasis on the provision of nutritional services and education.

**NTDT 40373 Culminating Supervised Practice.** Two lecture hours and twenty hours of supervised practice per week 6 weeks. Prerequisite: Enrollment in Coordinated Program in Dietetics, NTDT 40364, and concurrent enrollment in NTDT 40363. Supervised experience while working as an independent staff dietitian in an area of chosen specialty.

**NTDT 40403 Research Methods in Nutrition.** Prerequisites: Junior or Senior, NTDT 20403, NTDT 30123, and statistics or permission of instructor. Fundamentals of research design in nutrition. Completion of an individual research paper which incorporates proper research design, methodology, analysis, writing style, and writing format utilized in a nutrition research journal. Primarily designed for students with an interest in Nutrition and Dietetics.

**NTDT 40413 Procurement for the Foodservice Operation.** Prerequisites: NTDT 30144 and 30313. Managerial functions of purchasing, receiving, storing, and inventory control of materials for foodservice operations. Current economic, legislative, commercial, and industrial developments.

**NTDT 40423 Advanced Food Systems Management.** Prerequisites: NTDT 30144, 30303, and 30313. Advanced study of organization and management of foodservice operations. Financial management, marketing, and system analysis concepts applied to the foodservice industry.

**NTDT 40431 Seminar in Foodservice and Nutritional Care Systems.** Current trends and issues in nutrition care systems and the foodservice industry.

**NTDT 40970 Special Problems.** Hours to be arranged. Special problems requiring independent research and study within a related area of field experience in food, nutrition, or dietetics. (1-6 semester hours)

## Physics and Astronomy

[Requirements for the B.S. Degree with a major in Physics](#)

[Requirements for the B.S. degree with a major in Astronomy and Physics](#)

[Requirements for the B.A. degree with a major in Physics](#)

[Requirements for a minor in Astronomy](#)

[Requirements for a minor in Physics](#)

[Requirements for a B.S. degree in Physics with a secondary concentration in another field](#)

[Requirements for the B.S./M.B.A. program in Physics and Business](#)

[Honors Societies](#)

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### (PHYS)

Available as a major or minor on the B.A. and B.S. degrees with options listed below.

#### Requirements for the B.S. Degree with a major in Physics

Thirty-six hours of physics are required, including PHYS 20474, 20484, 30493, 30491, and twenty-four hours selected from 30014, 30553, 30603, 30703, 40113, 40653, 40663, 50703, 50713, 50723, 50733, 50743, and either 40103 or 40003. It is recommended that students planning to attend graduate school take PHYS 30553, 30603, 40113, 40653 and 40663. Twenty-two hours of Mathematics are required, including MATH 10524, 20524, 30224 and 30524. Students planning to attend graduate school should take MATH 50623 and 50633. Also required are: COSC 10503 (or an approved substitute); CHEM 10113, 10125 (or 10123 and 10122 or 10123 and 20123). Study of a modern language is recommended. A total of 132 hours is required for a B.S. Degree in Physics.

#### Requirements for the B.S. degree with a major in Astronomy and Physics

Thirty-six semester hours of Physics and Astronomy including PHYS 10154, 10164 (or 20474,20484), 30493, 20073, 20083, 30113, 30111, and 50743, also twelve hours selected from PHYS 30013, 30553, 30603, 30703, 40113, 40653, 40663, 50703, 50713, 50723, 50733, and either 40103 or 40003. It is recommended that students planning to attend graduate school take PHYS 30553, 30603, 40113, and 40653. Sixteen hours of mathematics are required including MATH 10524, 20524, 30224, 30524. It is recommended that students planning to attend graduate school take MATH 50623 and 50633. Also required are COSC 10503 (or an approved substitute); and either (a) CHEM 10113,10125 (10123/10122 or 10123/20123 or 10114 and 10124), or (b) CHEM 10113, GEOL 10113 and 30213. Study of a modern language is recommended. A total of 132 hours is required for a B.S. degree in Astronomy and Physics.

#### Requirements for the B.A. degree with a major in Physics

Twenty-six hours in Physics including PHYS 20474, 20484 (or with permission 10154, 10164), 30493. Twelve hours of Mathematics are required including MATH 10524, 20524 and 30224. The total number of hours for the B.A. in Physics is 124. Students planning graduate study in physics should seek the B.S. degree.

#### Requirements for a minor in Astronomy

Twenty hours of Physics including PHYS 10154, 10164 (or PHYS 20474, 20484), Astronomy 20073, 20083, and 6 hours of upper division courses (30000 or above) including 30113, and 30111.

#### Requirements for a minor in Physics

Eighteen hours of Physics including PHYS 10154, 10164, (or PHYS 20474, 20484), and 6 hours of upper division courses (30000 or above).

#### Requirements for a B.S. degree in Physics with a secondary concentration in another field

Thirty hours of physics are required, including eleven hours of PHYS 20474, 20484 (or 10154, 10164), and 30493, also nineteen hours selected from PHYS 30013, 30113, 30111, 30491, 30553, 30603, 30703, 40113, 40653, 40663, 50703, 50713, 50723, 50733, 50743, and either 40103 or 40003. (It is recommended that nine or more hours be selected from 30553, 30603, 40113, and 40653). Associated requirements are: Sixteen hours of MATH 10524, 20524, 30224, and 30524; COSC 10503 (or an approved substitute); CHEM 10113; and an approved Secondary Concentration with a minimum of 24 hours. The total requirement for a B.S. degree in physics with a secondary concentration is 132 hours.

The approved concentrations with respective additional requirements are:

**A) B.S. degree in Physics with secondary concentration in the Bio-Medical Field.** (For students interested in Pre-Med or in Biophysics graduate programs.) General requirements plus CHEM 10113, 10125 (or 10123/10122, 10123/20123) or 30123, 30122, 30133, 30132; BIOL 10504, 10514 (an additional six hours selected from BIOL 30404, 30603, 40123, 40223 are recommended).

**B) B.S. degree in Physics with secondary concentration in Environmental Science.** This option prepares students for graduate work in Physics or Environmental Science.) General requirements plus CHEM 10125; BIOL 10504, 10514, 30403, and three hours of approved upper level biology courses; GEOL 10113, 10143, 30393, and three hours selected from 30113, 30323, 50712, 50721, or 50783.

**C) B.S. degree in Physics with secondary concentration in Computer Modeling.** (This option prepares students for graduate work in Physics.) General requirements except that PHYS 50733 and an approved project in either PHYS 40103, or 40003 are required. Additional requirements are COSC 20101, 20203, 20803, 30203 30403, also three hours selected from COSC 30803, 40503, 40903, or 50123; MATH 30613, 50613, and 40663.

**D) B.S. degree in Physics with secondary concentration in Electronics.** (This option prepares students for



graduate studies in Electrical Engineering or Physics.) General requirements except that PHYS 40113 and 40653 (or ENGR 30543) are required, and PHYS 40663 is recommended. Additional requirements are, ENGR 10042, 20404, 20413, 30013, 30444, 30454, 40454, and MATH 30613.

#### **Requirements for the B.S./M.B.A. program in Physics and Business**

Thirty hours of physics are required including 20474, 20484 (or 10154, 10164), and 30493, plus nineteen selected from 20073, 20083, 30013, 30113, 30111, 30491, 30553, 30603, 40113, 40653, 40663, 50703, 50713, 50723, 50633, 50743, and either 40103 or 40003. Sixteen hours of mathematics are required including MATH 10524, 20524, 30224, and 30524. Also required are COSC 10503 (or an approved substitute); CHEM 10113, ECON 10223, 10233, and BUAD 10013. In the fourth year, students take twenty-four hours of approved M.B.A. courses.

The total requirement for the B.S. in Physics is 132 hours, which includes twenty-seven hours of M.B.A. courses taken in the fourth year. In the fifth year the student takes M.B.A. courses to complete the requirements for the M.B.A. degree. If the specified requirements were fulfilled at a reasonable rate, the student would be eligible to receive a B.S. degree in physics in four years and an M.B.A. degree in five years. Students must apply to the MBA program in their junior year. For admission to the MBA program refer to the School of Business section of this Bulletin.

#### **Honors Program**

Physics and Astronomy majors who plan to pursue Departmental Honors must be enrolled in the Honors Program. Students should take PHYS 30003 during their junior year and PHYS 40003 during their senior year.

#### **Honors Societies**

The department sponsors Sigma Pi Sigma, the national honor society in Physics and Sigma Xi, the Honor Society for Research in the Natural Sciences.

#### **Pass/No Credit Option**

Courses for the major and minor may be taken on the Pass/No Credit basis.

#### **Courses of Instruction**

**PHYS 10073 Concepts in Physical Science.** A laboratory science course for those with no previous background in physics, designed to stress the formulation of physical concepts at different levels of abstraction. Especially useful for education majors to gain insight and experience with science content and for music majors as a prerequisite to an understanding of musical acoustics.

**PHYS 10151 General Physics I Laboratory.** One 2-hour laboratory per week. Prerequisite: PHYS 10153, which is normally taken concurrently. Part one of a two semester sequence recommended for students enrolled in PHYS 10153. The sequence consists of selected experiments associated with PHYS 10153 and 10163.

**PHYS 10151 General Physics I Laboratory.** One 2-hour laboratory per week. Prerequisite: PHYS 10153, which is normally taken concurrently. Part one of a two semester sequence recommended for students enrolled in PHYS 10153. The sequence consists of selected experiments associated with PHYS 10153 and 10163.

**PHYS 10153 General Physics I.** Prerequisites: High school algebra and trigonometry or MATH 10053 and MATH 10052 or approval of instructor. Part of a two-semester survey of general physics recommended for students in the life sciences and premedical program. Topics covered in the sequence include mechanics of solids and fluids, thermodynamics, sound and wave motion, optics, electricity and magnetism, atomic and nuclear physics. Emphasis given to the application of these concepts to problems in the life and health sciences.

**PHYS 10154 General Physics I with Laboratory.** Three hours lecture and one 2-hour laboratory per week selected to reinforce the concepts discussed in lecture. Prerequisites: High school algebra and trigonometry or MATH 10053 and MATH 10052 or approval of instructor. Part one of a two-semester survey of general physics recommended for students in the life sciences and premedical program. Topics covered include mechanics of solids and fluids, thermodynamics, sound and wave motion. Emphasis will be given to the application of these concepts to problems in the life and health sciences.

**PHYS 10161 General Physics II Laboratory.** One 2-hour laboratory per week. Prerequisite: PHYS 10163, which is normally taken concurrently.

**PHYS 10163 General Physics II.** Prerequisite: PHYS 10153. Continuation of Physics 10153.

**PHYS 10164 General Physics II with Laboratory.** Prerequisites: PHYS 10154 (or PHYS 10153/10151), high school algebra and trigonometry or MATH 10053 and MATH 10052, or approval of instructor. Three hours lecture and one 2-hour laboratory per week selected to reinforce the concepts discussed in lecture. Part two of a two-semester survey of general physics recommended for students in the life sciences and premedical program. Topics covered include electricity and magnetism, optics, atomic and nuclear physics. Emphasis will be given to the application of these concepts to problems in the life and health science.

**PHYS 10433 Freshman Seminar in Physics: Utter Chaos.** Chaos Theory plays a fundamental role in many aspects of our lives: from the workings of the human heart; the prediction of the weather; the motion of planets and galaxies; to the development of personality, to name a few. The course follows the development of the "Chaos Revolution" through a study of the personalities of the major contributors and the basic models they used to develop their ideas. Two weekly class meetings are divided between a discussion of the scientists and their ideas, and a computer lab where we explore the models.

**PHYS 10443 Freshman Seminar in Physics: The Cosmic Journey: Big Bang to Humans and Beyond.** The history of the Universe from the Big Bang 20 billion years ago to the birth of stars, the synthesis of the building blocks for life, the origin and evolution of life on Earth and the emergence of humans and society. The change over the last 300 years in humans' understanding of the cosmos and their role in it: from the static clockwork universe

of Newton at the dawn of the age of reason to the expanding universe of Hubble and Einstein in the 20th century and the multidimensional universe of present-day string theory. Future human exploration of the cosmos and the future of the Universe itself.

**PHYS 10443 Freshman Seminar in Physics.** Topics may vary each time the class is offered.

**PHYS 20013 Introductory Astronomy.** Structure and origin of the solar system. Students may receive credit for PHYS 20013 or 20073, but not both.

**PHYS 20013 Introductory Astronomy.** Structure and origin of the solar system. Students may receive credit for PHYS 20013 or 20073, but not both.

**PHYS 20023 Introductory Astronomy.** Stars, galaxies, stellar evolution, and cosmology. Students may receive credit for PHYS 20023 or 20083, but not both.

**PHYS 20053 Physics of Music and Sound.** Prerequisite: Sophomore standing or approval of instructor. Three hours of lecture and one 2-hour laboratory per week. Nature and transmission of sound characteristics of musical instruments and speech, musical intervals, musical scales, musical temperament, and architectural acoustics. The laboratory includes experiments on vibration, resonance, objective and subjective characteristics of sound, and sound synthesis.

**PHYS 20073 Introductory Astronomy.** Three hours lecture and one 2-hour laboratory per week. Structure and origin of the solar system. Laboratory assignments may be scheduled in the evening.

**PHYS 20073 Introductory Astronomy.** Three hours lecture and one 2-hour laboratory per week. Structure and origin of the solar system. Laboratory assignments may be scheduled in the evening.

**PHYS 20083 Introductory Astronomy.** Three hours lecture and one 2-hour laboratory per week. Stars, galaxies, stellar evolution, and cosmology. Laboratory assignments may be scheduled in the evening.

**PHYS 20083 Introductory Astronomy.** Three hours lecture and one 2-hour laboratory per week. Stars, galaxies, stellar evolution, and cosmology. Laboratory assignments may be scheduled in the evening.

**PHYS 20471 Physics I Laboratory.** One 2-hour laboratory per week. Prerequisite: PHYS 20473, which is normally taken concurrently. A sequence of experiments selected to reinforce the concepts of Physics I.

**PHYS 20473 Physics I Mechanics.** Prerequisites: MATH 10524 which may be taken concurrently or permission of the instructor. The first of a three-semester survey recommended for students majoring in the physical sciences. Newton's laws of motion, the conservation of momentum, angular momentum, and energy; the theory of gravitation; acoustics and wave motion.

**PHYS 20473 Physics I Mechanics.** Prerequisites: MATH 10524 which may be taken concurrently or permission of the instructor. The first of a three-semester survey recommended for students majoring in the physical sciences. Newton's laws of motion, the conservation of momentum, angular momentum, and energy; the theory of gravitation; acoustics and wave motion.

**PHYS 20474 Physics I with Laboratory: Mechanics.** Prerequisite: MATH 10524, which may be taken concurrently, or permission of instructor. Three hours lecture and one 2-hour laboratory per week selected to reinforce the concepts discussed in lecture. The first of a three-semester survey recommended for students majoring in the physical sciences. Newton's laws of motion, the conservation of momentum, angular momentum, and energy; and the theory of gravitation.

**PHYS 20481 Physics II Laboratory.** One 2-hour laboratory per week.. Prerequisite: PHYS 20483, which is normally taken concurrently. Selected experiments that demonstrate the concepts of Physics II.

**PHYS 20483 Physics II Electromagnetism and Optics.** Prerequisites: PHYS 20473 and MATH 20524 which is normally taken concurrently or permission of instructor. The second of a three-semester sequence recommended for students of physical sciences. Electric charge, current and field; magnetism, time varying electromagnetic fields; geometrical optics; interference and diffraction.

**PHYS 20483 Physics II Electromagnetism and Optics.** Prerequisites: PHYS 20473 and MATH 20524 which is normally taken concurrently or permission of instructor. The second of a three-semester sequence recommended for students of physical sciences. Electric charge, current and field; magnetism, time varying electromagnetic fields; geometrical optics; interference and diffraction.

**PHYS 20484 Physics II with Laboratory: Electromagnetism and Optics.** Prerequisites: PHYS 20474 (or PHYS 20473/20471), MATH 20524, which may be taken concurrently, or permission of instructor. Three hours lecture and one 2-hour laboratory per week selected to reinforce the concepts discussed in lecture. The second of a three-semester sequence recommended for students of physical sciences. Electric charge, current and field; magnetism, time varying electromagnetic fields; physical and geometric optics.

**PHYS 30003 Junior Honors Research in Physics or Astronomy.** Prerequisites: Admission to Honors Program in Physics and junior standing in Physics. The first of two courses required for Honors in Physics in which the candidate will carry out a program of research under the direction of a faculty member. The results of this research must be satisfactorily communicated to the department in an oral presentation and/or a written report.

**PHYS 30014 Materials Science.** Prerequisite: CHEM 10113 or CHEM 10114. Introduction to the physical, chemical, mechanical, electrical, and optical properties of metals, semiconductors, ceramics, and polymers. Emphasis on the relationship between these properties and how performance is influenced by microstructure and processing. Atomic bonding. Crystal structure. Phase equilibria. Deformation and fracture. Composite materials. Electronic, magnetic, dielectric and optical properties. Laboratory methods for characterizing materials emphasized. (Offered as ENGR or PHYS credit.)

**PHYS 30111 Experimental Astronomy.** Prerequisites: PHYS 20073 and 20083, and 10153 or 10154, and 10163 or 10164. Selected experiments in telescope properties and resolution, astrophotography, spectroscopy, planetarium studies, geometrical optics, physical optics, atomic physics, and studies of experimental data available in research journals.

**PHYS 30113 Intermediate Astronomy.** Prerequisites: PHYS 20073 and 20083, or 20013 and 20023, PHYS 20473 and 20483, or PHYS 20474 and 20484, or PHYS 10153 and 10163, or PHYS 10154 and 10164. Physical properties of planets, stars, and galaxies.

**PHYS 30491 Physics III Laboratory.** Three hours laboratory per week. Prerequisite: PHYS 30493, which may be taken concurrently. Selected topics in modern physics.

**PHYS 30493 Physics III Modern Physics.** Prerequisites: PHYS 20473 and 20483, or 20474 and 20484, or 10153 and 10163, or 10154 and 10164, and MATH 20524. Relativity, introduction to quantum mechanics, atomic structure, nuclear physics, and modern physics.

**PHYS 30553 Mechanics.** Prerequisites: PHYS 20473 or 20474, and MATH 30524. Particle motion in one and three dimensions including oscillatory motion and motion under a central force. Dynamics of many particle systems. Lagrange's and Hamilton's equations.

**PHYS 30603 Thermal Physics.** Prerequisite: PHYS 30493, MATH 30524 or permission of instructor. Statistical formulation of the laws and applications of thermodynamics.

**PHYS 30703 Digital Electronics.** Prerequisites: First year physics, MATH 10524, COSC 10403. An introduction to DC and AC circuits, diodes, transistors, amplifier circuits, basic digital circuits, logic circuits, digital readouts, counters, timing circuits, AD converters, microprocessors, and microcomputers.

**PHYS 40003 Senior Honors Research in Physics or Astronomy.** Prerequisites: Admission to Honors Program in Physics and Senior Standing in Physics. A candidate for honors in Physics will carry out a program of research under the direct supervision of a faculty member. The results of the research must be presented in the form of an acceptable paper.

**PHYS 40050 The Teaching of Physics.** Prerequisite: 14 semester hours, 3 of which may be taken concurrently. Members of this class serve one day each week as physics laboratory assistants and share in departmental conferences. (1 1/2-3 semester hours)

**PHYS 40103 Senior Research in Physics or Astronomy.** Prerequisites: Senior standing in Physics or Astronomy. The student will carry out a program of research under the direction of a faculty member. The results of the research will be presented in the form of an acceptable paper.

**PHYS 40113 Elements of Quantum Mechanics.** Prerequisites: PHYS 30493 and MATH 30524 or permission of instructor. The Schrodinger equations, operators, stationary states; Quantum theory of angular momentum; the harmonic oscillator and the hydrogen atom; quantum spin formulation.

**PHYS 40653 Electromagnetic Fields.** Prerequisites: PHYS 20483 and MATH 30524 or permission of instructor. Development of Maxwell's equations; Electrostatics; potential; magnetostatics; electric and magnetic fields in matter; electromagnetic waves.

**PHYS 40663 Electromagnetic Radiation and Optics.** Prerequisite: PHYS 40653. Electromagnetic radiation in free space and in materials; geometrical optics; interference and diffraction; Fourier optics; introduction to nonlinear optics.

**PHYS 50030 Seminar in Contemporary Physics.** Prerequisite: Permission of instructor. Students enrolled will be expected to participate in, prepare, and lead discussions on selected topics in physics as suggested by the current journal literature. (1-4 hours)

**PHYS 50703 Nonlinear Dynamics.** Prerequisite: permission of the instructor, PHYS 30553 is recommended. Characterization of Chaos, Routes to Chaos, Dissipative Dynamical Systems, Hamiltonian Systems.

**PHYS 50713 Contemporary Topics in Physics.** Prerequisite: Departmental permission. Regularly scheduled course on a subject of interest to students and faculty. Possible topics: Acoustics, Biophysics, Mathematical Physics, Modern Optics, and Nuclear Physics.

**PHYS 50723 Introduction to Solid State Physics.** Prerequisite: PHYS 30493; MATH 30524. Crystal structure, lattice dynamics, free electron theory, band theory, optical, electric and magnetic properties of solids.

**PHYS 50733 Computational Physics.** Prerequisites: PHYS 20483 and MATH 30524. Computational methods used in physics, systems of linear equations, eigenvalues problems, numerical solution of differential equations using FORTRAN, C++, and Mathematica.

**PHYS 50743 Astrophysics.** Prerequisite: Departmental permission. Spectra and spectral line formation, stellar atmospheres and interiors, star formation and evolution, structure of the Universe, selected topics in cosmology.

**PHYS 50970 Special Problems in Physics.** Prerequisite: Departmental permission. Advanced work in physics the nature of which is to be determined by the previous preparation and interest of the individual. Credit will depend upon the nature of the study and the amount of work taken. (1-12 hours)

## Pre-Health Professions

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[Health Care Ethics Minor](#)

[Combination B.S. Degree Program \(The](#)

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### Introduction

TCU offers a curriculum preparing students for programs leading to doctoral degrees in the following health professions: Dentistry (D.D.S.), Allopathic Medicine (M.D.), Optometry (O.D.), Osteopathic Medicine (D.O.), Podiatric Medicine (D.P.M.), and Veterinary Medicine (D.V.M.).

The Pre-Health Professions program also offers advising services to students interested in other health fields (e.g., physical therapy, occupational therapy).

**Health Professions Advisory Committee** (HPAC) consists of faculty members who teach courses normally taken by students pursuing the above professional goals and presently includes Professors Gary Boehm, Psychology; Doug Ingram, Physics; David Minter, Chemistry; Giri Akkaraju, Biology; Andrew Paquet, Biology; and Phil Hartman, Biology, (Chair). Denise Bennett, Academic Program Specialist to the program, is housed in SWR 258.

The duties of the committee are to advise students on their curriculum, to provide counseling regarding the health professions, and to evaluate, both for the student and for the professional schools, the student's suitability for entering the profession. The committee offers "mock" interviews and will write a committee-based letter of evaluation for those students who submit the appropriate biographical materials. Additional information is available at [www.tcu.edu/bio.edu/prehealth/home.htm](http://www.tcu.edu/bio.edu/prehealth/home.htm).

**Curriculum:** Health profession schools prefer applicants who have completed a four-year curriculum leading to a B.A. or B.S. degree. While the health professions schools will accept students in any major, certain courses are required or suggested as described below. In addition, if medicine, dentistry or veterinary medicine is a student's primary career goal, the Health Professions Advisory Committee strongly recommends that students major within the College of Science and Engineering.

**Required and Suggested Courses:** Although each professional program has its own list of required and suggested courses, those shown below will meet the requirements of the majority. Students should check the current requirements of schools to which they intend to apply before they begin their junior year at TCU to insure that new or unusual requirements can be met before graduation.

**Pass/No Credit Option.** Courses required by professional schools for admission should not be taken on the Pass/No Credit basis.

### General Requirements

Biology: 10504, 10514

Chemistry: 10113, 10125 or 10123 and 20123, 30123, 30122, 30133

Natural Sciences: BIOL 30303, 30404, 30603, 40123, 40133, 40203, 40223, 40404, 40503; CHEM 40123, 50133, 50143;

Math: 10043 or 10524;

Physics: 10154, 10164

Other: TCU Core Curriculum Requirements and requirements of the major/minor.

### General suggestions

Humanities: ENGL 30223, HIST 40803, PHIL 10003, 30313, 30363, SPAN 10103, RELI 30723.

Social Sciences: SOCI 40523, 40533, SOWO 30853, 30863.

Natural Sciences: BIOL 30303, 30404, 30603, 40123, 40133, 40203, 40223, 40404; CHEM 40164, 50133, 50143; MATH 10043; COSC 10403, PSYC 10213, 30463.

Other: NTD 20403, SPCO 10123, 30153; KINE 10603, 30623, 30633; HLTH 40203; COSD 10303, 10343, 30303; NURS 30053.

### Additional Pre-dental Courses

Required: Two advanced Biology courses as listed under General Suggestions with BIOL 30303, 40123, 40133, 40503 and 50133 especially recommended.

Suggested: ART 10133, 20243

### Additional Pre-medical Courses

Required: Biology (same as pre-dental), MATH 10043 or 10524, CHEM 30132

Suggested: None

### Additional Pre-optometry Courses

Required: BIOL 20204-20214 or 30404, 30303, 40404; MATH 10524; PSYC 10213, 30503; CHEM 50133

Suggested: None

### Additional Pre-pharmacy Courses

Required: BIOL 30303, 30404; MATH 10524 and 10043.

**Additional Pre-podiatric Courses**

Required: Same as premed.

**Additional Pre-veterinary Courses**

Required: BIOL 30303, 30603, 40123, 40253, 50133, 50143; MATH 10524; ENGL one literature course plus 30223 (or SPCO 20103); RAMA 30703.  
Suggested: MATH 10043

**Aptitude Tests:** Most professional schools require aptitude tests to have been taken *at the time of application*. Generally, these should be taken 15-17 months before contemplated admission; *i.e.*, in the spring of the junior year for 4-year students or in the sophomore year for 3-year students (see below). Information on these exams is available in the Pre-Health Professions office SWR-258: The Dental Aptitude Test (DAT), the Medical College Aptitude Test (MCAT), the Optometry Aptitude Test (OAT).

**Health Care Ethics Minor**

(See Health Care Ethics)

**Combination B.S. Degree Program (The**

A few highly qualified pre-health professions students may be accepted by the professional school after the completion of a three-year college curriculum. TCU offers the B.S. combination degree program for these students. The student must complete a minimum of 94 semester hours including the prescribed courses, the UCR, and aptitude tests listed above. The last 45 hours of the 94 must be taken at TCU. The B.S. combination degree will be awarded after successful completion of the first year of professional school. Students uncertain as to their plans or major should start out in this program. Students must declare their interest in this program (*i.e.*, file a degree plan) prior to application to a professional school. A typical curriculum that meets all these requirements is outlined below.

**Typical Combination B.S. Degree Program for Pre-Health Professions Students**

<i>FRESHMAN YEAR</i>	semester hours
BIOL 10504, 10514	8
CHEM 10113,10123,10122	8
Writing Workshop, other TCU CC	12-15
Physical Education or ROTC	2
total	30-33

<i>SOPHOMORE YEAR</i>	
BIOL 30603	3
CHEM 30123, 30122, 30133, 30132	10
PHYS 10154, 10164	8
TCU CC	12
total	33

*APTITUDE TEST should be taken at this point*

<i>JUNIOR YEAR</i>	
BIOL	7-9
TCU CC	15
Electives or Additional Requirements	6-9
Total	28-33

**Alpha Epsilon Delta**

The program sponsors the Texas Zeta Chapter of Alpha Epsilon Delta, the national honor society for pre-professional health science students. Additional information is available at [www.bio.tcu.edu/aed/aed.html](http://www.bio.tcu.edu/aed/aed.html)

**Scholarships**

The M.D. Anderson Foundation of Houston sponsors several scholarships for pre-health profession students who are at least sophomores, have a GPA above 3.0, are in the top third of their class, have a record of service to TCU, the community, or the profession, and have demonstrated a high motivation toward a career in medicine and dentistry. Applications are available from the Financial Aid Office.

# Psychology

[The B.S. degree with a major in Psychology.](#)

[The B.A. degree with a major in Psychology.](#)

[Requirements for a minor in Psychology.](#)

[Area of Specialization for Secondary Certification in Psychology.](#)

[Outreach Program](#)

[Honors in Psychology.](#)

[Psi Chi](#)

[Pass/No Credit Option](#)

[Courses of Instruction](#)

## (PSYC)

Available as a major on the B.A. and B.S. degree and as a minor on the B.A. and B.S. degree.

Although the programs may be used to achieve a variety of objectives, they are designed with three primary goals in mind: (1) to provide majors with a strong background for graduate or professional training in psychology or related fields, (2) to educate intelligent consumers who can seek, evaluate and apply selected psychological services effectively, and (3) to provide fundamental information for a critical understanding of psychological knowledge and problems.

In addition to basic coursework, the programs offer learning experiences that include research projects, individual career planning, special seminars, and supervised off-campus activities. Such courses, primarily for juniors and seniors, require approval from the students' adviser or the instructor during the semester prior to the one in which the student intends to enroll. Students are encouraged to consult with their academic adviser at least once each semester to plan an appropriate selection of courses to meet their individual goals. Further information regarding the psychology curriculum may be obtained from the chairman of the department.

### The B.S. degree with a major in Psychology

Recommended for students planning graduate work in Psychology or a related field or who anticipate a career in a psychology-related field. **Requirements in Psychology.** A minimum of 42 hours including either 10213, 10514, or 10524, plus 30503 and 40993. At least one course must be taken from each of the following five areas, plus at least one additional course from A,B,C, or D. A minor or second major is required for the B.S. degree in Psychology.

Area A: 30463, 30483, 50513;

Area B: 30433\*, 30473\*, 30414\*

Area C: 30453\*, 30423\*, 40433\*

Area D: 30443, 40493\*, 30353 or 30343\*

Area E: 30363, 30373, 40463

[\* = courses that require MATH 10043 (Elementary Statistics) and PSYC 30503 (Behavioral Research) as prerequisites]. A maximum of 6 hours of 40960 and/or 40970 may be applied to the 42 minimum required hours in psychology, but additional hours may be taken as psychology electives.

The total number of hours required for the B.S. degree is 124.

### The B.A. degree with a major in Psychology

This degree is suited for students who have a general interest in psychology but do not plan a career in psychology or a psychology-related field. It may prove suitable for a variety of career objectives not subsumed under the B.S. program. **Requirements in Psychology.** A minimum of 30 hours including either 10213, 10514, or 10524, plus 30503 and 40993. At least one course must be taken from each of the five areas listed in Areas A-E under the B.S. degree requirements. A maximum of 6 hours of 40960 and/or 40970 may be applied to the 30 minimum required hours in psychology, but additional hours may be taken as psychology electives. A minor or second major is required for the B.A. in Psychology.

**Associated Requirements:** Same as for B.S. degree. The total number of hours required for the B.A. degree is 124.

### Requirements for a minor in Psychology

A minor in psychology requires 18 hours in psychology, including either 10213, 10514, or 10524. A maximum of 3 hours of 40960 and/or 40970 may be applied to the minor in psychology.

### Minor in the Psychology of Leadership

The minor in the Psychology of Leadership will provide students with knowledge and experiences relevant to the scientific study of leadership and its application.

### Requirements for Minor in the Psychology of Leadership

#### A minimum of 21 credit hours is required

3 hours of Introductory Psychology:  
 Psyc 10213, General Psychology  
 Psyc 10514, Principles of Behavior  
 Psyc 10524, Principles of Behavior

6 hours of Required Coursework in the Psychology of Leadership:

Psyc 20333, Basic Leadership Theory and Skills (Sophomore standing required for this course)  
Psyc 40233, Advanced Leadership Theory and Skills

3 hours of Foundations in Psychology:

Psyc 30353, Social Psychology  
Psyc 30433, Experimental Psychology: Motivation  
Psyc 30443, Psychology of Personality

9 hours of Electives in the Psychology of Leadership:

Psyc 30373, Organizational Psychology  
Psyc 40473, Psychology of Women & Men  
Psyc 40260, Introductory Field Work in Psychology  
Psyc 40290, Advanced Field Work in Psychology  
Psyc 51000, Seminar on Ethics and Science

Students cannot pursue both a Minor in Psychology and a Minor in the Psychology of Leadership.

### Area of Specialization for Secondary Certification in Psychology

Required: 10213, 10514, or 10524, plus 30503. Also, select enough from the courses listed in Areas A-E under the B.S. degree requirements to make a total of at least 24 semester hours.

### Outreach Program

The Outreach Program is designed to afford qualified students the opportunity to participate in psychology-related internships in local community settings. The program has two purposes:

1. The major goal of the Outreach Program is to increase student awareness of professional psychology by allowing students to engage in activities similar to those of a counseling or clinical psychologist. Many psychology majors are interested in becoming helping professionals, and it is our belief that these students can make more informed decisions about their careers if they have experienced these professional activities first hand.
2. A second goal of the Outreach Program is to help students to build their resumes through professionally-related internship experiences. In this way they can not only include the field work experience on their resumes, but they also have the opportunity to earn letters of recommendation from off-campus professionals.

**Requirements.** The Psychology Department's field work experience consists of a two semester sequence, Introduction to Field Work (PSYC 40453) taken in the fall semester, and Advanced Field Work (PSYC 40960) taken in the following spring semester.

### Honors in Psychology

A student wishing to complete Departmental Honors in Psychology must be enrolled in the Honors Program and complete 30003 and 40003. It is recommended that students enroll in 40003 for the fall semester of the senior year.

### Psi Chi

The department sponsors the TCU Chapter of Psi Chi, the national honor society for psychology.

### Pass/No Credit Option

Pass/No Credit is acceptable for courses in the major and minor, if any.

### Courses of Instruction

**PSYC 10110 Techniques of College Learning.** The study of the skills and techniques necessary for efficient learning. Application of the principles of learning, cognition, and motivation to the problems of college learning. This class is usually offered for 3 hours credit.

**PSYC 10213 General Psychology.** One of the prerequisites for higher-level psychology courses. The science of psychology, integrating biological, social, cognitive, and learning influences on behavior; basic behavior processes, and principles of human and infrahuman behavior. Credit cannot be given for both PSYC 10213 and either 10514 or 10524.

**PSYC 10433 Freshman Seminar in Psychology.** Topics may vary each time it is offered.

**PSYC 10514 Principles of Behavior I.** Recommended for B.S. in Psychology. An introduction to the scientific study of behavior. The nature of scientific inquiry of behavior and relevant basic behavioral processes will be discussed. Three hours lecture and two hours laboratory per week. Credit cannot be given for both PSYC 10213 and 10514.

**PSYC 10514 Principles of Behavior I.** Recommended for B.S. in Psychology. An introduction to the scientific study of behavior. The nature of scientific inquiry of behavior and relevant basic behavioral processes will be discussed. Three hours lecture and two hours laboratory per week. Credit cannot be given for both PSYC 10213 and 10514.

**PSYC 10524 Principles of Behavior II.** Recommended for B.S. in Psychology. An introduction to the scientific inquiry of behavior. The nature of scientific inquiry of behavior and relevant behavioral processes will be discussed. Three hours lecture and two hours laboratory per week. Credit cannot be given for both PSYC 10213 and 10524.

**PSYC 10524 Principles of Behavior II.** Recommended for B.S. in Psychology. An introduction to the scientific inquiry of behavior. The nature of scientific inquiry of behavior and relevant behavioral processes will be discussed. Three hours lecture and two hours laboratory per week. Credit cannot be given for both PSYC 10213 and 10524.

**PSYC 10533 Freshman Seminar in Psychology.** Topics may vary each time it is offered.

**PSYC 20333 Basic Leadership Theory and Skills.** Prerequisite: Sophomore standing. Students will explore answers to fundamental questions about the psychology of leadership. Emphasis is on psychological theories and how they address the issue of "self-leadership". Psychological approaches to the measurement of leadership effectiveness will be used to critically evaluate various contemporary models found in popular culture.

**PSYC 20393 Psychology of Love.** Teaches students how to think critically about the psychological research on romantic attraction and close relationships. The course goal is to educate intelligent consumers of media information and misinformation, teaching them to separate scientifically valid from invalid claims about the causes and consequences of initial romantic attraction, deepening close relationships, sex differences, problems that occur within close relationships, and effective versus ineffective strategies for resolving conflicts in close relationships.

**PSYC 20553 Psychology of Adjustment.** Basic principles of psychology in relation to the development, assessment, and modification of personality adjustment. Emphasizes patterns of normal adjustment (intra- and interpersonal) to typical contemporary environments.

**PSYC 30003 Honors Tutorial.** Prerequisite: Junior standing and membership in the Honors Program. An examination of a major issue in psychology. This course is only offered as a tutorial and the specific topic is determined by consultation with an instructor. Arrangements for this course must be made with an instructor the semester prior to enrollment.

**PSYC 30113 States of Consciousness.** Prerequisite: PSYC 10213, or 10514, or 10524. An overview of contemporary knowledge about various states of consciousness including both theoretical perspectives and contemporary applications.

**PSYC 30133 Parapsychology: Science or Pseudoscience?.** Prerequisite: PSYC 10213, or 10514, or 10524. The nature of scientific theories and their application to the claims of paranormal events. The emphasis is on a skeptical analysis of such reputed phenomena as extra sensory perception, psychokinesis, clairvoyance, and precognition. Alternative explanations of claims of the paranormal using established scientific principles, laws and theories of behavior are examined.

**PSYC 30263 Problem Solving in Task Oriented Groups.** Two hours lecture and three hours lab. Prerequisite: PSYC 10213, or 10514, or 10524, or approval of instructor. Instruction and practice in the elements of effective participation in task oriented groups and in the strategies and techniques of systematic problem solving. Topics in group processes include group membership roles, task oriented roles, leadership roles, group norms, competition, and conflict management. Topics in problem solving include problem definition, brainstorming, means-end analysis, and structured decision making.

**PSYC 30323 Child Psychology.** Prerequisite: PSYC 10213, or 10514, or 10524. Human behavior from conception to adolescence; the influences of heredity and maturation, physical, social and cognitive development, with child observations.

**PSYC 30333 Sexual Behavior in Humans and Other Animals.** Prerequisite: PSYC 10213, or 10514, or 10524 or approval of instructor. Emphasis on empirical studies of sexuality, encompassing its varied manifestations, its many determinants, and contemporary theories of sexuality, with an emphasis on evolutionary theory. Bodily mechanisms and their development, sexually transmitted diseases, and aspects of reproduction are also covered.

**PSYC 30343 Social Psychology.** Prerequisite: PSYC 10213, or 10514, or 10524. Methods and principles related to the experience and behavior of individuals in interaction with each other, in group situations, and in relation to items in the sociocultural setting. Credit cannot be given for both PSYC 30343 and PSYC 30353.

**PSYC 30353 Social Psychology.** Prerequisite: PSYC 10213, or 10514, or 10524. Methods and principles related to the experience and behavior of individuals in interaction with each other, in group situations, and in relation to items in the sociocultural setting. Credit cannot be given for both PSYC 30343 and PSYC 30353.

**PSYC 30363 Abnormal Psychology.** Prerequisite: PSYC 10213, or 10514, or 10524. Personality and behavior processes in normal and deviant personalities; variations and causes of psychopathology, problems of classification, diagnosis and management.

**PSYC 30373 Organizational Psychology.** Prerequisite: PSYC 10213, or 10514, or 10524, or approval of instructor. Analysis of methods, accumulated knowledge, and systematic approaches to problems of group behavior in organizations including personnel management, selection, training, motivation, performance appraisal, leadership, working conditions, and human engineering.

**PSYC 30383 Sport Psychology: Performance Enhancement Techniques.** Prerequisites: PSYC 10213, or 10514, or 10524. A comprehensive introduction to the theories and methods of applied sport psychology or performance enhancement. Applies contemporary theories from social psychology, learning, consciousness studies, and applied psychology to the problems of improving performance in any contest. Develops the conceptual basis for the psychological techniques used by sport psychologists, examines empirical evidence for effectiveness of these methods, and elaborates the significance of sports as a metaphor for other life situations where performance is important.

**PSYC 30403 The Human Senses.** Prerequisite: PSYC 30503. A survey of the structure and function of sensory systems, with particular emphasis on vision and hearing.

**PSYC 30414 Experimental Psychology: Learning.** Three lectures and one laboratory per week. Prerequisite: PSYC 30503. Basic methods and concepts employed in the study of learning.

**PSYC 30423 Experimental Psychology: Perception.** Two lectures and one laboratory period per week. Prerequisite: PSYC 30503. Basic experimental techniques employed in the study of detection, discrimination and recognition.

**PSYC 30433 Experimental Psychology: Motivation.** Prerequisite: PSYC 30503. Basic concepts, theories, and techniques employed in the study of motivation.



**PSYC 30443 Psychology of Personality.** Prerequisite: PSYC 10213, or 10514, or 10524. The factual and theoretical status of the development, structure, and dynamic functioning of the adult personality.

**PSYC 30453 Memory and Cognition.** Prerequisite: PSYC 30503. An overview of major issues and topics in modern cognitive psychology with particular emphasis on interpreting basic research in memory and cognitive processes.

**PSYC 30463 Physiological Psychology.** Prerequisite: PSYC 10213, or 10514, or 10524 or approval of instructor. Study of the nervous system, action systems, and sensory systems to provide background for examining the physiological bases of discrimination, motivation, emotions, and learning. (Also offered as Biology 30463.)

**PSYC 30473 Comparative Psychology.** Prerequisites: PSYC 30503. Provides knowledge of animal behavior as a field of research based on mechanistic and evolutionary approaches. Provides a basic vocabulary and a conceptual framework which enables the student to appreciate the importance and scope of animal behavior as an interdisciplinary field and to identify areas of interest for further study.

**PSYC 30483 Human Neuropsychology.** Prerequisites: PSYC 10213, or 10514, or 10524, or approval of instructor. Presents an approach to the study of human brain function by examining the behavioral syndromes resulting from neurological disease and brain damage. Topics will include an overview of the nervous system; neuropsychological assessment; cortical dysfunction; language disorders; developmental neuropsychology; and recovery of function following brain trauma.

**PSYC 30493 Evolutionary Psychology.** Prerequisites: PSYC 10213 or PSYC 10514, or PSYC 10524. A comprehensive view of human evolution. Topics include the fossil record, primates and hominids, evidence of the effects of natural selection on human anatomy and behavior, the development of human culture, mating patterns, technology, social structures, emergence of art and civilization, and the evolutionary shaping of perceptual, cognitive, and motivational processes.

**PSYC 30503 Behavioral Research.** Prerequisite: PSYC 10213, or 10514, or 10524, plus MATH 10043. Basic elements of behavioral research—planning, execution, analysis, and interpretation. Includes selection of research problems, measurement of behavioral constructs, development of instruments, and experimental and non-experimental designs as well as the basic statistical methods and concepts needed in behavioral research.

**PSYC 30603 Historical Foundations of Modern Psychology.** Prerequisites: PSYC 10213, or 10514, or 10524, and 9 hours of psychology or permission of the instructor. The roots of modern psychology and the development of the schools of psychology will be discussed. The historical developments in science and philosophy that were the determinants of the founding of psychology will be analyzed.

**PSYC 30993 Psychology of Sex, Violence, and Aggression.** Teaches students how to think critically about psychological research on sex, violence, and aggression. The course goal is to educate intelligent consumers of media information and misinformation, teaching them to separate scientifically valid from invalid claims that such factors as genetics, biochemistry, socialization practices, sex differences, ambient temperature, alcohol, television, movies, and video games affect interpersonal violence and aggression.

**PSYC 40003 Senior Honors Research Paper.** Prerequisite: PSYC 30003, Senior standing, and membership in the Honors Program. A supervised research experience and a thesis that is usually based on the subject matter studied in 30003. This course is offered only as a tutorial. Arrangements for this course must be made with an instructor the semester prior to enrollment. It is recommended that enrollment occur the fall semester of the senior year.

**PSYC 40123 Environmental Psychology.** Prerequisite: PSYC 10213, or 10514 or 10524, and 30503, or consent of instructor. This course examines, from the perspective of a psychologist, how the physical environment influences specific types of human behavior including work, recreation, learning, group interaction, crime prevention and others.

**PSYC 40233 Advanced Leadership Skills.** Prerequisite: PSYC 20333. This advanced course in leadership emphasizes psychological perspectives on "influencing others". Topics will include the psychology of interpersonal communication, conflict resolution, and models of leadership. Psychological approaches to the measurement of leadership effectiveness in these areas will be used to critically evaluate various contemporary models found in popular culture.

**PSYC 40260 Introductory Field Work.** Prerequisite: Fifteen semester hours in Psychology. This applied course extends learning beyond the classroom and provides development opportunities in leadership, diversity, counseling, etc. Students also gain self-knowledge of individual strengths (e.g. extroversion) and career preferences through assessments and actual experience. Students must obtain a volunteer or internship position (assistance is available through the instructor or the TCU Leadership Center). Earned credit hours are based on the number of hours worked (up to 3 credit hours for 90 worked hours), attending class 1 hour per week, and completion of all assignments such as self-leadership papers, weekly journals, or projects.

**PSYC 40290 Advanced Field Work.** Prerequisite: PSYC 40290. This experiential course provides advanced opportunities through volunteer or internship positions. Students complete questionnaires and gain awareness of their skills and preferences (e.g., intuition). Then they investigate how personal factors influence their leadership or service giving skills. Service environments also provide experiential learning related to diversity. Students obtain their own positions (e.g., crisis intervention volunteer; mentoring elementary students) and earned credit hours are based on the actual number of hours worked (e.g., 3 credit hours requires 120 worked hours), attending class 1 hour per week, and completion of assignments.

**PSYC 40403 Psychology of Counseling.** Prerequisite: PSYC 10213, or 10514, or 10524, or approval of instructor. Counseling in institutional, educational, and community settings; roles and functions of counselors; the relations of the counselor in different settings with clients and organizations.

**PSYC 40413 Cognitive Development.** Prerequisite: PSYC 30323, 30503, 30453, or approval of instructor. Major periods of cognitive development including infancy, early childhood, middle childhood, and adolescence; development of cognitive skills such as reasoning, problem solving, memory, language, and perception; acquisition of applied cognitive skills such as arithmetic, reading, writing, and physics.

**PSYC 40423 The Tao of Strategy.** Prerequisites: Junior standing. A search for the deep structure of strategic action that bridges Eastern philosophy and Western science; this seminar is designed to teach strategic thinking and the arts of leadership to student from a wide variety of disciplines. This course can be applied towards the Psychology Department's minor in the Psychology of Leadership.

**PSYC 40433 Developmental Psychology.** Prerequisite: PSYC 30503. Data and research methods related to the development of the human organism from its prenatal origins through old age.

**PSYC 40463 Behavioral Modification.** Prerequisite: PSYC 30503. An introduction to the principles and practices of behavior modification and behavior therapy. Emphasis is on applications in education and in problems of children and institutionalized adults.

**PSYC 40473 Psychology of Women and Men.** Prerequisite: junior or senior standing. This course is designed to be an overview of theory and research on contemporary American concepts of femininity and masculinity, the implications of these definitions for the average woman or man and some alternative interpretations of the meaning of ones sex role identity.

**PSYC 40483 Seminar in the Biological Mechanisms of Behavior.** Prerequisite: PSYC 30463 or its equivalent, or approval of instructor. A topic seminar with an emphasis on developing an understanding of the interaction of the biological, genetic, psychological, and social factors that underlie the development of behavior.

**PSYC 40493 Introduction to Psychological Measurement.** Prerequisite: PSYC 30503. Characteristics of tests and measurement scales; survey of individual and group tests in psychology, education, and clinical settings.

**PSYC 40513 Scotland: Search for Genius.**

**PSYC 40950 Contemporary Topics in Psychology.** Prerequisite: PSYC 10213, or 10514, or 10524, or approval of instructor. Topics of current interest in psychology or society. This class carries 1-6 hours, but is usually offered for 3 hours credit.

**PSYC 40970 Independent Studies.** Prerequisites: Twelve semester hours in Psychology and departmental approval. Supervised research or study in specialized areas not covered in regular course offerings. (1-6 semester hours)

**PSYC 40993 Senior Seminar in Psychology.** Prerequisites: PSYC 30503 and senior standing in psychology. Teaches students how to think critically about ethics and research topics in psychology. Excellent preparation for the Graduate Record Examination in psychology and for graduate school in all areas of psychology. In depth coverage of such topics as Ethics and Methods of Psychology as a Scientific Discipline, Biopsychology, Perception, Learning, Motivation, Emotion, Memory, Thinking, Intelligence, Language, Development, Personality, Psychological Disorders, Psychotherapy, and Social Psychology.

**PSYC 50213 Interactive Data Analysis.**

**PSYC 50403 Advanced Physiological Psychology.** Prerequisite: Senior or Graduate standing and PSYC 30463 or approval of instructor. An in depth analysis of the neural and endocrine components of normal and abnormal behavior with emphasis on classic studies in the field.

**PSYC 50411 Theoretical Foundations of Statistical Inference.** Prerequisite: Graduate standing in Psychology; Ph.D. students must take concurrently with PSYC 50423. Supplements PSYC 50423. Provides an in-depth view of the models and theories underlying analysis of variance, correlation and regression analysis, and the nonparametric techniques.

**PSYC 50413 History and Systems of Psychology.** Prerequisite: Senior or graduate standing in Psychology, or approval of instructor. The scientific and philosophic antecedents of contemporary psychology in relation to their current influence on the field.

**PSYC 50423 Graduate Statistics.** Prerequisite: Senior or Graduate standing or approval of instructor. The conceptual basis of statistical inference. Topics include: analysis of variance models, correlation and regression analysis, and nonparametric techniques.

**PSYC 50453 Experimental Social Psychology.** Two lectures and one laboratory period per week. Prerequisite: PSYC 30353 or its equivalent, or approval of instructor. Concepts and methods of research on attitudes, communication and persuasion, group structure, and group processes.

**PSYC 50463 Fundamentals of Neuroscience.** Prerequisite: Graduate or senior standing or approval of the instructor. The fundamentals of functional neuroanatomy and neurophysiology with an emphasis on experimental and theoretical analysis of the basic brain behavior relationships. (Offered as BIOL or PSYC credit.)

**PSYC 50472 Laboratory in Physiological Psychology and Neuroscience.** Prerequisite: PSYC 30463 or its equivalent or PSYC 50653 or its equivalent, or concurrent registration in either PSYC 50436 or PSYC 30463. One lecture and one laboratory per week. Emphasis will be on the laboratory techniques employed in physiological psychology and neuroscience in analyzing the neural and hormonal correlates of behavior (Also offered as BIOL 50472)

**PSYC 50482 Laboratory in Physiological Psychology and Neuroscience.** Prerequisite: PSYC 30463 or its equivalent or PSYC 50653 or its equivalent, or concurrent registration in either PSYC 50436 or PSYC 30463. One lecture and one laboratory per week. Emphasis will be on the laboratory techniques employed in physiological psychology and neuroscience in analyzing the neural and hormonal correlates of behavior (Also offered as BIOL 50482)

**PSYC 50493 Advanced Personality.** Prerequisite: Senior or graduate standing in psychology and PSYC 40443, or approval of instructor. Current topics from the empirical and theoretical literature on personality.

**PSYC 50513 Psychopharmacology.** Prerequisite: PSYC 10213, or 10514, or 10524, or approval of instructor. Theory and principles of behavioral and biochemical methods of assaying drug action, with primary emphasis on the study of the effects of neuropharmacological agents or endogenous systems.

**PSYC 50523 Experimental Design.** Prerequisite: PSYC 50423 or approval of instructor. The planning and design of behavioral research including the specification of research problems, development of appropriate designs, the use of appropriate analytic techniques and the interpretation of results. Primary attention is given to analysis of variance models as analytic techniques, but multivariate techniques such as regression and discriminant function models are also considered.

**PSYC 50563 Developmental Psychology.** Prerequisite: Senior or graduate standing in Psychology, or approval of instructor. Data and research methods related to the development of the human organism from its prenatal origins through old age.

**PSYC 50583 Cognition.** Prerequisite: Senior or graduate standing in Psychology, or approval of instructor. Current topics in the area of cognition including thinking, language, memory, decision making, and problem solving.

**PSYC 50603 Contemporary Learning Theory.** Prerequisite: Senior or graduate standing in Psychology, or approval of instructor. Selected theoretical principles important for understanding complex behavior, and their recent extensions and application to human social behavior, autonomic and psychosomatic function, etc.

**PSYC 51000 Seminar on Ethics and Science.** Senior or graduate standing or permission of the instructor. The course will look at the range of ethical decisions that are required of scientists. We will focus on identifying ethical dilemma throughout the history of scientific discovery. Case studies will include both moral exemplars and instances of scientific misconduct. These case studies will cut across scientific disciplines and include examples from biology, medical research, biotechnology, and psychology.

# Ranch Management Program

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[Certificate of Ranch Management](#)

[Bachelor of Science with minor in Business](#)

[Minor in Ranch Management](#)

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## Overview

Ranch Management is available as a major on the B.S. degree, as a minor on the B.A. and B.S. degrees and as a certificate program. Since 1956, students from 41 states and 22 nations have studied ranching at TCU through the certificate program.

## Admission to the Ranch Management Program

Applicants meeting academic enrollment criteria, should have sufficient working experience in agriculture to understand the nature of the industry. Basic knowledge and experience with farming or ranching enterprises enable the student to obtain more value out of the course of study. Enrollment is limited. Selection to the class is made after each applicant completes the application, including transcripts and a personal interview. When all other considerations are equal, earlier applicants are given priority.

For information, applications or interview, write to the director, Ranch Management Program, TCU Box 297420, Fort Worth, Texas 76129, or call (817) 257-7145.

## Certificate of Ranch Management

The Ranch Management certificate program requires one academic year (two consecutive semesters) to complete. Students are provided intensive classroom instruction in basic management principles. The program of study includes courses in livestock production, natural resource conservation, forage production, accounting principles, marketing, personnel management, and general management principles. Field work is coordinated with classroom study to demonstrate principles as they are applied in production situations.

Classes are presented in three-hour units to allow concentration of subject matter and to facilitate field work. Generally, class hours are from 9:00 a.m. to noon and 1:00 p.m. to 4:00 p.m. five days a week, although class hours may vary somewhat when field work requires additional time for travel. Basic vocational skills are taught that require physical mobility and manual dexterity. Field work includes five week-long trips and numerous day trips. No other courses may be taken during the year. The two-semester program leads to 34 hours of credit and a Ranch Management Certificate.

Requirements for the Certificate in Ranch Management: RAMA 30102, RAMA 30213, RAMA 30403, RAMA 30703, RAMA 40103, RAMA 40112, RAMA 40303, RAMA 40313, RAMA 40503, RAMA 40603, RAMA 40803, RAMA 40903.

## Bachelor of Science with minor in Business

The College of Science and Engineering administers the Bachelor of Science degree. Students must complete the TCU Core Curriculum prior to making formal application to the Ranch Management Program. Qualified students are given 'conditional acceptance' into the program. Applicants to the Ranch Management Program should have sufficient working experience in agriculture to understand the nature of the industry. Students must then successfully complete the requirements for a General Business minor for non-business majors before entering the 34 hours of required Ranch Management courses. Enrollment is limited.

## Declaring Pre-Ranch Management.

All students wishing to become Ranch Management majors should first declare themselves 'pre-ranch management' students. Students remain pre-ranch management students until being formally admitted to the Ranch Management program. Before taking upper-division (30000-level and above except MARK 30513, MANA 30153, FINA 30153, BIOL 30403, BIOL 30504, BIOL 30613, GEOL 40393, or GEOL 30113) courses, all pre-ranch management students must:

- complete the TCU Core Curriculum including, Natural Sciences(9 hrs): BIOL 10003, GEOL 10113 and ENSC 10143 and Social Sciences (9 hrs) ECON 10223, and ECON 10233. Substitutions require Dean's approval.
- maintain a TCU cumulative GPA of at least 2.50
- contact the Ranch Management Program for admissions policies, procedures and deadlines.
- be formally admitted to the Ranch Management program with a 'conditional acceptance'.

## Transfer students

Transfer students must first become pre-ranch management students. Approval is not automatic, and admission to TCU does not guarantee the student admission as a pre-ranch management student. Transfer students should first work with the office of Transfer Admissions regarding transfer credits and specific transfer student requirements and guidelines. Students must apply to the Ranch Management program and be formally admitted prior to taking the upper level Ranch Management courses. A GPA of 2.50 is required for admission to the Ranch Management Program., but does not guarantee admission to the Ranch Management Program. In addition, applicants should have sufficient working experience in agriculture to understand the nature of the industry.

## Requirements for the B. S. Degree in Ranch Management

A minimum of 40 semester hours as follows: RAMA 30102, RAMA 30213, RAMA 30403, RAMA 30703, RAMA 40103, RAMA 40112, RAMA 40303, RAMA 40313, RAMA 40503, RAMA 40603, RAMA 40803, RAMA 40903. Associated Requirements: Math 3 hours (MATH 10283, MATH 10524 or MATH 10043) Sciences: 3 hours (BIOL 30403, BIOL 30504, BIOL 30613, GEOL 40393, or GEOL 30113. Substitutions require Dean's approval.

Requirements for the General Business Minor For Non-Business Majors:

Refer to General Business Minor for Non-Business Majors for specific requirements.

Required Courses: 18 hours

ACCT 20153 Principles of Financial Accounting

ACCT 20163 Principles of Managerial Accounting

MANA 20153 Legal and Social Environment of Business

MANA 30513 Organizational Management

FINA 30513 Financial Management

MARK 30153 Marketing Management

#### **Pass/No Credit Option**

Courses for the major (including associated requirements) and the minor may not be taken on a Pass/No Credit basis.

#### **Minor in Ranch Management**

Available as a minor on the B.A. and B.S. degrees. Students may pursue a degree in a discipline other than Ranch Management and utilize the Ranch Management certificate program to meet graduation requirements, provided they are qualified for admission into the Ranch Management program. A TCU cumulative GPA of at least 2.50 is required. The Ranch Management minor requires 34 hours of coursework which consist of RAMA 30102, RAMA 30213, RAMA 30403, RAMA 30703, RAMA 40103, RAMA 40112, RAMA 40303, RAMA 40313, RAMA 40503, RAMA 40603, RAMA 40803, RAMA 40903.

#### **Evening Courses**

The TCU Ranch Management Program is meeting the educational needs of the ranching community by presenting evening classes through the TCU Office of Extended Education.

These courses are designed for ranchers, business and professional people as well as other students unable to attend the full-time Ranch Management Program. The full-time faculty members of the Ranch Management Program teach the evening courses. Course materials are the same as the course material used for the day classes. Information from ranch studies is brought into the classroom even though extensive travel is not possible. In some instances, two courses from the regular program have been combined to provide a uniform format of three-semester hour credits. One course will be offered each semester until the full cycle of courses has been completed. The class is presented in a three-hour lecture on Tuesday evening from 7:00 p.m. until 10:00 p.m. Upon successful completion of the seven courses the enrollee becomes a graduate of the Evening Division of Ranch Management and receives a certificate of completion.

Required Courses for the Evening Division Certificate: RAMA 30413, RAMA 30713, RAMA 40113, RAMA 40323, RAMA 40513, RAMA 40613, RAMA 40813

Admission is through the TCU Office of Extended Education. For an application and other admission information contact the Office of Extended Education at 817-257-7130. Admitted TCU students may take the Evening Division courses as electives.

#### **Courses of Instruction**

**RAMA 30102 Ranch Operations and Development.** Methods of livestock identification, dehorning, castration, and controlling parasites; the planning and construction of fences, corrals, and buildings to facilitate the handling of livestock.

**RAMA 30213 Ranch Business Management.** Business law as applied to the livestock producer, business organization, estate planning, labor relations, application of management principles to ranching.

**RAMA 30403 Soil and Water Conservation.** Soil formation and development; soil characteristics which affect productivity; soil erosion by wind and water; soil, water, and wildlife conservation and management practices; Soil and Water Conservation District and U.S.D.A. agency assistance; preparation of coordinated conservation plan.

**RAMA 30413 Conservation and Development.** Developing the soil, water and wildlife resources of a ranch together with planning and construction of adequate fences, corrals, building and water facilities for a livestock operation.

**RAMA 30703 Animal Nutrition and Feeding.** Digestion and use of feeds for maintenance and production, selection of feeds for maintenance and production, selection of feeds based on composition and cost, ration formulation, feed processing and handling, dry lot feeding programs, supplemental feeding on pasture, possible limiting factors in feeding efficiency.

**RAMA 30713 Animal Nutrition and Feeding.** Digestion and use of feeds for maintenance and production, selection of feeds for maintenance and production, selection of feeds based on composition and cost, ration formulation, feed processing and handling, dry lot feeding programs, supplemental feeding on pasture, possible limiting factors in feeding efficiency.

**RAMA 40103 Beef Cattle Production.** Economics of beef production enterprises; selection by records and visual appraisal for economically important traits including reproduction, gainability, and carcass value; inheritance; systems of breeding; production programs; management practices.

**RAMA 40112 Sheep and Goat Production.** Sheep breeds and crosses; selection for mutton and wool production; Angora goat selection; breeding; supplemental feeding; marketing of wool and mohair.

**RAMA 40113 Beef Cattle Production.** Economics of beef production enterprises; selection by records and visual appraisal for economically important traits including reproduction, gainability, and carcass value; inheritance; systems of breeding; production programs; management practices.

**RAMA 40303 Animal Health Management.** Anatomy and physiology of cattle, indications of health and disease, development of immunity, specific infectious and noninfectious diseases of cattle, control of internal and external parasites, toxicology, basic veterinary skills and equipment.

**RAMA 40313 Animal Health and Reproduction.** Reproduction in cattle including organs and functions, natural

and artificial breeding management, calving management, examination of cows for pregnancy, evaluation of bulls for soundness and fertility, selection of horses for soundness, treatment for sickness and injury, horse breeding.

**RAMA 40323 Animal Health and Reproduction.** Reproduction in cattle including organs and functions, natural and artificial breeding management, calving management, examination of cows for pregnancy, evaluation of bulls for soundness and fertility, selection of horses for soundness, treatment for sickness and injury, horse breeding.

**RAMA 40503 Range Management.** Principles of plant growth and reproduction; economic characteristics and field identification of range plants; ecology of range plants and animals; management of rangeland for all its uses including setting and adjusting stocking rates, distribution of grazing, grazing methods and supporting practices; preparation of ranch management plan.

**RAMA 40513 Grassland Management.** Principles of plant growth and reproduction; economic characteristics and field identification of range plants; ecology of range plants and animals; management of rangeland for all its uses including setting and adjusting stocking rates, distribution of grazing, grazing methods and supporting practices; preparation of ranch management plan.

**RAMA 40603 Ranch Records and Finance.** Basic records needed for management and income tax reports - records of income and expense, inventories, net worth statements, budgets, production records; term problem in which all records for a year's operation are recorded and financial statements are prepared; sources of credit for ranch operations.

**RAMA 40613 Ranch Business Management.** Basic records needed for management and income tax reports - records of income and expense, inventories, net worth statements, budgets, production records; term problem in which all records for a year's operation are recorded and financial statements are prepared; sources of credit for ranch operations.

**RAMA 40803 Marketing of Livestock and Meats.** Relation of production to marketing, trends in marketing and consumption, meat processing and distribution, U.S.D.A. activities, market outlets and procedures, futures, seasonal and cyclical influences on prices, selection of time and place to market, handling and transportation of livestock to improve weighing conditions and minimize losses, merchandising purebred livestock.

**RAMA 40813 Marketing of Livestock and Meats.** Relation of production to marketing, trends in marketing and consumption, meat processing and distribution, U.S.D.A. activities, market outlets and procedures, futures, seasonal and cyclical influences on prices, selection of time and place to market, handling and transportation of livestock to improve weighing conditions and minimize losses, merchandising purebred livestock.

**RAMA 40903 Forage Production and Use.** Characteristics and management of introduced pasture plants; combinations for extended grazing, seedbed preparation and planting; weed control, fertilization, irrigation, grazing management and harvest for hay, silage and seed.

**RAMA 40970 Special Topics in Ranch Management.**

## Honors

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### Honors and Recognitions

The university honors high academic achievement. The most significant recognitions are conferred at graduation time, but there are many interim awards as well. Some formal recognitions become a part of the student's permanent academic record; others may be in the form of a letter of commendation or list posted on the bulletin board. Each spring, Honors Week focuses attention on high academic achievement through special programs and publications. (Grade point average requirements discussed in the following sections refer exclusively to the TCU GPA.)

**TCU Scholars.** Full-time, degree-seeking undergraduate students who achieve a 4.0 grade point average (all A grades) in any spring or fall semester are recognized as "TCU Scholars" by the academic deans. In that semester they must have earned credit for at least 12 hours, and "I" and "P" grades are not counted. "TCU Scholars" may audit one course without fee any time within a year of their designation.

**Dean's Honor List.** At the end of each fall and spring semester, deans of undergraduate schools and colleges announce the names of those who have done exceptionally well. To be eligible for the Dean's Honor List, freshmen must achieve at least a 3.4 GPA, sophomores at least 3.5, juniors at least 3.6, and seniors at least 3.7. In that semester they must have earned credit for at least 12 hours, and "I" and "P" grades are not counted.

**Graduation Honors.** Students with a grade-point average of 3.9 or above are graduated Summa Cum Laude, perhaps the highest academic distinction. Those with 3.7 or above are graduated Magna Cum Laude, an only marginally less prestigious honor. And for those with 3.5 or above, graduation is Cum Laude.

Graduation honors are reserved for students who earn at least 58 semester hours at TCU exclusive of any credit by examination.

**Honor Societies.** In almost all academic fields, national honorees societies recognize students who show exceptional ability. Most departments at TCU have chapters of such societies to which high-achieving students are invited. In addition, some prestigious honor societies are open to students from throughout the University. Perhaps best-known at TCU and over the nation are these:

**Phi Beta Kappa**, the oldest such society in America and one of the most selective, invites to membership students with high grades whose studies show a breadth of knowledge in the liberal arts. Most initiates are seniors, though juniors and graduate students are sometimes invited as well.

**Sigma Xi**, the Scientific Research Society of North America, invites to membership persons whose research has made an original contribution to the sciences. Undergraduate students with exceptional research papers meet the society's requirements.

**Mortar Board** invites students on the basis of their service and leadership as well as scholarship.

### The Honors Program

The Honors Program holds as its central purpose and philosophy the stimulation and encouragement of academic activity at the highest level. It strives to bring together dedicated faculty and highly motivated students who share a commitment to the finest qualities of scholarship. Through collaboration with each school and college of the University, the Honors Program provides opportunities for the intellectual growth and fulfillment of students in all disciplines as well as of the many faculty who share a commitment to these ideals.

The Honors Program strives to meet its goals through its varied curriculum and the collegial nature of its co-curricular activities. The curriculum provides opportunities for in-depth study and research in the students' chosen disciplines and also offers a variety of interdisciplinary programs intended to provide breadth of scope and perspective in the tradition of a liberal arts education.

Co-curricular functions such as the Fall Escape are designed to foster that intellectual stimulation which is achieved only through out-of-class interaction among scholars from all components of the University. The celebration of Honors Week each spring provides an opportunity to promote and recognize academic achievement across the campus.

### Admission

**Freshmen.** Admission of incoming freshmen to the Honors Program is by invitation. The TCU Honors Council sets the invitational standards for each incoming class, based on SAT and/or ACT scores and high school transcripts. Invitations are sent out in March to high school seniors who have been accepted to TCU and meet these standards. Highly motivated students with excellent records that fall slightly below the invitational criteria are also encouraged to seek invitation to the Program by contacting the Director.

**Transfers.** Transfer students are eligible to join the Honors Program if they have achieved a 3.40+ GPA in all previous college work. (For students with fewer than 24 hours, high school transcripts and SAT or ACT scores will also be evaluated.) Transfer students must meet all Honors Program curriculum requirements, including the Lower Division Requirements listed below. However, they are invited to request that selected courses taken at other institutions be applied toward Honors Program requirements at TCU. Approval of such requests will be at the discretion of the Director of the Honors Program and no more than 9 hours may be applied.

**Current TCU Students.** Any current TCU student who has both a TCU cumulative and an overall cumulative GPA of 3.40 or higher is eligible to join the Honors Program. Students who enter the Program after they have matriculated at TCU must meet all Lower Division Requirements listed below. Interested students are encouraged to contact the Director of the Honors Program.

## Requirements

### Lower Division Requirements.

All Honors students must complete *either* the Honors Civilizations Track *or* the Honors Intellectual Traditions Track to fulfill the Lower Division Requirements.

#### Honors Civilizations Track. (15 hours)

Students who elect this track will take two related courses (6 hours) selected from the several pairs offered in which various elements of a particular culture or civilization will be traced. The purpose is to allow students to develop an understanding of the art, literature, music, science and/or other facets of that culture or civilization.

The remaining nine hours of this track of Lower Division Honors work must be taken from the Honors sections of first- and second-year level courses offered in departments throughout the University. These Honors sections provide an additional measure of sophistication and challenge and are taught by faculty members selected for their commitment to high academic standards and dedication to motivating good students. Because Honors sections generally are smaller than other similar courses, they are frequently the arenas for more interactive teaching methods.

#### Honors Intellectual Traditions Track. (15 hours)

Students who take the 3-semester, interdisciplinary Honors Intellectual Traditions sequence begin in the fall semester of the freshman year and continue until the spring of the sophomore year. Six additional hours of Honors courses of their own choosing are also required.

### Upper Division Requirements.

Honors students who have completed the sophomore year with a GPA of 3.40 or higher and have fulfilled the Lower Division Requirements are recognized as Associate Honors Scholars and are invited to participate in Upper Division Honors, pursuing programs leading to degrees awarded with Departmental Honors and/or University Honors.

**Departmental Honors.** Departmental Honors involves intense study in the student's chosen major, typically consisting of a junior or senior level seminar and a Senior Honors Project. This project may be presented in several forms, for instance, a paper reflecting original research or creative study, a portfolio or original composition in literature or one of the fine arts, or a documented performance in the arts. In the fall semester of the senior year, a student pursuing Departmental Honors chooses a professor to supervise the project who together with two additional faculty members form the student's project committee. These three faculty members work closely with the student and during the spring semester approve the work as being worthy of the Departmental Honors distinction. Most departments in the University have programs leading to Departmental Honors. For a listing of all such departments and for detailed information concerning the form of the Senior Honors Project, please contact the Honors Program Office.

**University Honors.** University Honors encourages interdisciplinary thought during the junior and senior years. In small seminar settings, students explore questions that have challenged thinkers through the centuries: What is the nature of values, of society, of the universe? What does it mean to be human? Requirements for graduation with University Honors are (1) proficiency in a foreign language at the sophomore level and (2) satisfactory completion of the four interdisciplinary Honors Colloquia, HCOL 40023, 40033, 40043, and either HCOL 40013 or HNRS 40103. Students may, if space is available, take one or more of the Colloquia even if they elect not to pursue the full course of study leading to University Honors.

**Additional Requirements.** Enrollment in Honors Courses. All freshman and sophomore Honors students must enroll in at least one Honors course each semester until they have completed their Lower Division Requirements.

**GPA Requirements.** To remain in the Honors Program, students must achieve a 3.00+ TCU cumulative GPA at the end of the freshman year and a 3.40+ TCU cumulative GPA at the end of the sophomore year. Students must have both a TCU cumulative GPA and an overall cumulative GPA of 3.50+ to graduate with Honors Program distinctions.

**Pass/No Credit Policy.** Courses to fulfill Honors Program requirements may not be taken on a Pass/No Credit basis.

### Graduation with Honors

A student is recognized as having attained Departmental and/or University Honors during the graduation ceremonies, and his or her diploma and transcript indicate that the degree was awarded with Honors distinctions. Such Honors are conferred by the Honors Program on the basis of the student's having a GPA equal to or greater than 3.50 with at least 58 semester hours of academic work having been completed at TCU (exclusive of credit by examination), and the student's having completed the stated criteria for Departmental and/or University Honors.

Go to Class Search on the Registrar's home page at <https://webadmin.is.tcu.edu/classsearch/> to see which courses are being taught this semester.

### Courses of Instruction

**HCOL 40013 Nature of the Universe.** An examination of interdisciplinary aspects of physical and natural science; the submicroscopic world and the cosmos; cosmology; developments in modern biological and genetic research;



mathematics and logic; the nature of scientific inquiry and our understanding of the physical world.

**HCOL 40023 On Human Nature.** An examination of the development of our self-understanding, the origins of human culture and the study of contemporary culture as it affects the individual.

**HCOL 40033 Nature of Values.** An examination of contemporary value systems through the study of certain intrinsic values as revealed in a variety of readings, thought patterns and human creations.

**HCOL 40043 Nature of Society.** An examination of the structure, functions, and processes of our social, political, and economic institutions.

**HHIT 20123 Honors Intellectual Traditions: Order.** Prerequisite: HTP 10113. Continuing the exploration of provocative thinkers and artists, this semester's readings examine the notion of order.

**HHIT 20133 Honors Intellectual Traditions: Change.** Prerequisites: HTP 10113, HHIT 20123. Extends the interdisciplinary investigation of Western culture as it struggles with the concept of change.

**HTP 10113 Honors Intellectual Traditions: Purpose.** Explores the question of purpose or teleology among the most provocative thinkers in Western history, especially in philosophy, religion, science, literature and art.

**HNRS 30970 The Scottish Enlightenment.** TCU in Scotland.

**HNRS 40103 Origins.** An interdisciplinary course addressing the origins of time, order, change, the universe, earth, man, and human cultures, involving cooperative interaction of faculty from anthropology, biology, and geology.

**HSPR 40970 Honors Special Project.** An Honors student interested in undertaking special independent study may, with appropriate permission, register for HSPR 40970 for 1 to 6 hours of credit. This may be utilized as a summer reading course or free elective. Under special circumstances, it may be used in lieu of a Departmental Honors seminar or an Honors Colloquium to fulfill requirements for Departmental or University Honors.

## General Information

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TCU is a major private teaching and research university with the residential, person-centered environment unusually found on a small college campus. While accomplishing its mission of educating individuals to think and act as ethical leaders and responsible citizens in the global community, the University provides the unique TCU Experience. This experience gives students an uncommon balance of at least four factors:

TCU offers the **strengths and choices of a major university tempered with the true humanity of a small college** and works to develop and nourish the individual talents of each student.

The University's teacher-scholars and artists **conduct and publish research, express themselves artistically, and teach in a friendly, academic community**. Professional staff members strive to be national leaders in their fields of expertise. TCU students, too, are uncommon and impressive, well-rounded individuals with high potential for success and leadership.

The University takes pride in its **historic relationship** with the Christian Church (Disciples of Christ), which has always stressed a broad interpretation and respect for faith traditions. TCU does not seek to impose a particular religious point of view, but challenges each student to consider what he or she believes.

TCU's emphasis on the development of the individual takes place in part in an **arts and science-centered education that is global in the broadest sense of the word**, which is embraced by all seven schools and colleges. TCU promotes study-abroad and encourages faculty, staff and students to think about the future and what will be required to build a just, ethical and productive world community.

Comprised of seven academic divisions -- AddRan College of Humanities and Social Sciences, M.J. Neeley School of Business, the College of Communication, the School of Education, the College of Fine Arts, Harris College of Nursing and Health Sciences, and the College of Science and Engineering -- the University is independent and self-governing.

Nationally recognized Division I-A athletics contributes to the vital collegiality of the campus. Of the 19 sports -- football and baseball for men; volleyball, rifle and soccer for women; and basketball, cross country, track, tennis, golf, and swimming and diving for men and women -- several are ranked in the Top 25 in the nation.

International study and experiences are an important part of TCU; the University ranks among the top 10 doctoral granting institutions in the United States in terms of the percentage of graduates who have studied abroad. Programs in various locations such as London, Edinburgh, Spain, Italy, Japan, Mexico and Chile provide students an opportunity to live and learn abroad.

The school that was to be TCU was born in the troubled years following the Civil War. In 1869, young brothers Addison and Randolph Clark began holding classes in the village of Fort Worth, from which cattle trails ranged northward. In 1873 they moved 40 miles away to establish AddRan Male and Female College at bucolic Thorp Spring. Inclusion of women in the title is arguably the first instance of coeducation in the Southwest.

After 20 years, the school affiliated with the Christian Churches of Texas and became AddRan Christian College. Moved to Waco in 1895, the school changed its name in 1902 to Texas Christian University. Fire destroyed its main building in 1910, and the University returned to Fort Worth and opened in its present location in 1911. Its future was assured in 1923 with a gift by Mrs. Mary Couets Burnett. (See "Milestones of History" under "Resources" on the main page for other important events.)

With a controlled enrollment of about 8,600 students, TCU draws from all 50 states and more than 75 countries. Of the 422 full-time faculty, 58 percent are tenured; the student:faculty ratio is about 15:1. The 250-acre campus, located only a few miles from downtown Fort Worth, houses about 3,100 students and offers a full range of activities and recreational facilities for students.

In short, higher education may be a business to some, but at TCU, we consider it our mission:

**To educate individuals to think and act as ethical leaders and responsible citizens in the global community.**

# Admissions

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## [General Policies](#)

### [Credit by Examination and Portfolio Assessment](#)

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## Overview

Texas Christian University does not discriminate on the basis of personal status, individual characteristics or group affiliation, including but not limited to classes protected under federal and state law.

Applications for admission to the undergraduate schools and colleges and requests for further information should be addressed to the Office of Admission, Room 112 of Sadler Hall; the mailing address is TCU Box 297013, Fort Worth, Texas 76129. Non-degree students should contact the Office of Extended Education, TCU Box 297026, Fort Worth, Texas 76129.

## General Policies

**Admission to the University.** Qualified undergraduate students are admitted *to the University* rather than to a specific program, school or college. Application deadlines and notification dates for freshman and transfer applicants are stated in the Application for Undergraduate Admission. Deadlines for applying for financial aid may be obtained by contacting the Office of Scholarships and Financial Aid.

**Health Record and Insurance.** All new students, regardless of academic classification, must have a Report of Medical History on file in the Brown-Lupton Health Center. All undergraduate students taking nine or more semester hours are required to have health insurance either through the Texas Christian University Student Health Insurance Plan or through another individual or family plan. Students who do not choose to participate in the University's Student Health Insurance Plan must waive participation online by entering before a specific deadline the name of their private insurance carrier.

**Residence Hall Requirement.** Unmarried students under 21 years of age classified as freshmen at the time of registration and enrolling for nine or more semester hours are required to live on campus unless living at their parents' residence. Students who are 17 years old or younger at the time of registration will be approved to live in residence halls on a case-by-case basis.

**International Visa Students.** Refer to section titled *Admission of International Students*.

## Credit by Examination and Portfolio Assessment

Through several methods, students may earn academic credit for college-level learning by taking an examination in the appropriate area. Credit granted usually can be used to satisfy specific and general degree requirements. Refer to the section "Bachelor Degree Requirements" found elsewhere in this bulletin.

The credit by examination procedures are reviewed and updated annually. A current brochure is available from the Office of Admission, and information is also available online at <http://www.admissions.tcu.edu>.

On a limited basis, portfolio assessment is another method used to earn academic credit for college-level learning. A portfolio is a formal, written document including a résumé, detailed personal history, description of skills and competencies, and documentation to support the student's request for credit. Only limited credit has been approved using this method. More information on the portfolio assessment program can be obtained by contacting Office of Extended Education, (817) 257-7130.

## Credit for Military Service

The University follows, with limitations, the recommendations of the American Council on Education as published in the Guide to the Evaluation of Educational Experiences in the Armed Services in granting credit for military service schools.

Courses must be in the "baccalaureate/associate degree category" as defined by the ACE Guide. This requirement precludes acceptance of vocational, technical or certificate category courses, or military occupational specialties or job experience.

For consideration of credit from military service schools, the applicant must submit the following military records:

1. certified original of the DD Form 295, or
2. copy of the DD Form 214, or
3. course completion certificates, or
4. a Community College of the Air Force transcript.

The Office of the Registrar will assist persons eligible for veterans education assistance benefits.

## Nonresidential Course Work

The University examines all nonresidential learning experiences and grants credit on a case-by-case basis.

## Admission of Students

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### Admission of Freshman Students

TCU invites applications from qualified high school students who have graduated or expect to graduate from an accredited secondary school. The student should request information about TCU early in the high school career to learn about admission requirements.

Students applying from secondary schools should request, complete, and return application forms following their junior year in high school. Applicants are considered for admission after the Office of Admission receives:

- a. completed application form
- b. official secondary school transcript
- c. SAT or ACT scores
- d. \$40 application fee
- e. essay and résumé of activities
- f. secondary school guidance counselor's evaluation of applicant.

It is the student's responsibility to complete the application procedure. Students accepted to the University prior to high school graduation are admitted on a tentative basis, pending successful completion of their senior year with academic performance consistent with that upon which the admission decision was based. Verification of graduation is required.

Any college-level coursework attempted after admission but before matriculation must be reviewed by the Office of Admission prior to enrollment and may nullify the offer of admission.

Admitted students must return a nonrefundable enrollment fee by May 1st (National Candidate Reply Date) to secure a place in the fall class.

The following factors are considered when selecting candidates for admission:

1. High School Record. Students are expected to have completed upon graduation a **minimum** of 4 units of English, 3 units of mathematics (including 2 units of algebra and 1 of geometry), 3 units of science (including one laboratory science), 3 units of social studies, 2 units of foreign language and 2 units of academic electives. The quality and quantity of coursework taken, grades earned, and subsequent rank in the high school class are important in assessing a candidate's probability for success at TCU.
2. Admission Tests. Candidates must present results of the SAT or the ACT. Arrangements to take one of these tests should be made through the student's secondary school. If the candidate has been out of high school more than three years, the SAT/ACT requirement is waived. In addition, prospective performance music majors must audition either in person or by recording. Prospective ballet and modern dance majors must also audition.
3. Essay and Counselor's Evaluation. The student's essay is a significant part of the application as is the high school counselor's evaluation. If the candidate has been out of high school more than three years, the counselor's evaluation requirement is waived.
4. Extracurricular Participation. Activities outside of class, including employment, community/volunteer work, and leadership experiences are evaluated.
5. College Courses taken while in high school. The quality of coursework completed and the grades earned will be considered during the admission process. Official college transcripts must be presented to determine transferability of credit.

### Admission of Transfer Students

A transfer student is defined as one who has been out of high school for at least one full semester and has attempted college or university work for credit.

Students planning to transfer from another college or university should submit the following for admission consideration:

- a. completed application form
- b. official transcripts from each college attended
- c. \$40 application fee
- d. secondary school transcript and SAT or ACT scores if, at the time of application, fewer than 24 semester hours of transferable work have been completed.

Admission to TCU as a transfer student is based upon evidence of ability to succeed in college-level work. The applicant's total record will be assessed, taking into account the following:

1. the cumulative grade point average
2. quality of curriculum

3. the number of hours and GPA in core subjects
4. the high school record and test results (if possessing fewer than 24 transferable semester hours at the time of application)
5. extracurricular activities, achievements and honors
6. essay.

The applicant must be in good academic standing and be eligible to return to all previous institutions. Official transcripts must be submitted from each college attended whether the work was satisfactory, unsatisfactory, or interrupted. Failure to disclose any part of a previous academic record is a serious violation of trust and will subject a student to dismissal and forfeiture of credit earned while in attendance at TCU.

Evidence of acceptable academic standing at an accredited college or university and appropriate academic credentials are required. A minimum cumulative GPA of 2.0 is necessary for consideration although a cumulative GPA of 2.75 or higher is generally required for admission. Every application will be reviewed on an individual basis. In most cases, greater emphasis is placed on academic work completed in recent semesters than on work completed in the more distant past.

Grades on all attempted transferable courses except physical education activity courses (including repeated courses and those in which grades of F, D or I were received) will be used in calculating the grade point average to determine the applicant's qualification for admission. Once admitted, a student's transfer grades will not be entered on the student's permanent record at TCU.

Students admitted to the University will receive, with their letter of admission, a transcript evaluation sheet listing all transferable courses. A course listed as "transferable" on the transcript evaluation is not necessarily applicable or acceptable under certain degree programs.

Courses that do not transfer to TCU include the following:

1. courses in which a grade lower than C was earned
2. courses considered to be developmental (e.g., orientation, time management, library skills) or remedial (e.g., those in English, math and reading)
3. Vocational-Technical courses.

No more than 66 hours from a community college may be credited toward a bachelor's degree, and no course transferred from a community college may be used to satisfy the TCU advanced-hour requirement. No more than 8 semester hours of physical education activity courses may be applied toward graduation requirements.

Note: Students transferring to TCU must present a record of all transfer work for evaluation to the Office of Admission for approval by the appropriate academic dean prior to their enrollment in the University. Transfer coursework not presented prior to enrollment may not be counted toward a degree.

After enrolling at TCU:

- 1) All students must receive prior written approval of the academic dean of their major if they wish to take courses at another institution and have those courses count toward a degree at TCU. Coursework taken without prior written approval may not be applied to a degree.
- 2) No more than 12 total semester hours, except those earned in an approved study abroad program, may be transferred from other schools.
- 3) No credit may be transferred from a community college once 54 cumulative semester hours have been earned.

Some programs have certain requirements that must be met to enroll in upper division courses. Transfer applicants who plan to declare a major in the M.J. Neeley School of Business, Harris College of Nursing or the School of Education, for instance, should refer to those special requirements set forth in the appropriate programmatic sections of this Bulletin.

### Admission of International Students

International (non-immigrant) undergraduate applicants for admission to TCU must demonstrate:

1. High scholastic achievement, with above-average academic performance in their secondary or high school studies and on national examinations, where such examinations are administered. Students transferring from a university or other institution of higher education should have above-average grades in their post-secondary studies. Former TCU international students should refer to the section on *Re-enrollment of Former Students*.
2. A satisfactory command of English as demonstrated by such examinations as TOEFL (Test of English as a Foreign Language), the SAT, the ACT or another widely recognized test of English proficiency. The minimum TOEFL score accepted for admission of beginning undergraduate students is 550 on the paper-based exam, 213 on the computer-based exam, or 80 on the Internet-based exam. Transfer students may demonstrate proficiency by successfully completing English composition and having 24 hours of transferable credit from a US college.

Applicants who have not achieved the required level of English proficiency are encouraged to enroll in TCU's Intensive English Program, which offers ten sessions each year.

Regardless of the level of English language proficiency, all admitted international students are tested upon arrival at the University and, depending on their test results, may be required to take certain English language credit courses to overcome deficiencies.

Admitted students must eliminate any deficiencies determined by the TCU English Proficiency Exam within the first two full semesters in order to continue their studies at TCU.

**Procedures.** Nonimmigrant applicants should request the "International Student Application for Undergraduate Admission."

The application contains detailed instructions regarding documents that must be submitted and deadlines for application.

Admission for summer sessions is considered only for applicants with at least 24 semester hours of higher education in the U.S.

When the application is complete, the International Committee on Admissions will evaluate the credentials and send the applicant a letter stating its decision. If admitted, the applicant will be provided information regarding dates of arrival, orientation, testing, and additional requirements. Students must submit a health record and provide proof of the availability of funds to cover all educational and living expenses for the duration of their studies at TCU. International orientation is required of all new international students.

Advanced credit may be granted for certain courses considered to be beyond the level of U.S. secondary school courses, provided that the grades are at least average. Results from exams such as the International Baccalaureate, the German Abitur, the British General Certificate of Education (GCE) "A" Levels, and other similar national exams can be considered for possible advanced credit.

The University standards and procedures regarding international students are consistent with those expressed in the "Admissions Standards and Procedures" of NAFSA: Association of International Educators.

**Housing.** Undergraduate applicants in their first year of higher education and who are less than 21 years of age are required to reside in on-campus housing. Other applicants may apply for housing on campus after being granted admission and may receive a reservation depending on space availability at the time of application.

Additional information can be obtained from the Office of International Admission, TCU Box 297013, Texas Christian University, Fort Worth, Texas 76129, U.S.A. or by calling (817) 257-7871 or sending a FAX to (817) 257-5256.

### **Admission of Non-Degree Students**

Students interested in taking courses for academic credit but not in seeking a degree from TCU may be admitted for non-degree study. Non-degree students are held to the same standards governing academic progress (including probation/suspension) as degree students.

**Non-degree status** would apply to persons in the following categories:

1. taking only ROTC at TCU and enrolled at another college or university
2. seeking Ranch Management certification
3. seeking only teacher certification
4. with an undergraduate degree desiring additional undergraduate coursework
5. applying as summer visiting students.
6. enrolled at another college or university seeking concurrent enrollment at TCU for one semester.

Persons who do not fit into any of these categories, but want to take credit courses, will be considered for limited enrollment status.

**Limited enrollment status** is open to persons who:

1. are 22 years of age or older with a high school diploma and/or equivalency diploma based on the GED,
2. are in good standing at all colleges where they are currently enrolled or have ever been enrolled, and
3. have not been previously denied admission or readmission to TCU.

A limited enrollment student may not enroll in more than six (6) semester hours of coursework per semester or three (3) hours per summer session. Exceptions must be approved by the Office of Extended Education. A maximum of twelve (12) semester hours may be accumulated. At that time a student may apply as a degree-seeking student or receive special permission to continue beyond the 12 hours limitation.

Applications for non-degree study may be obtained from the Office of Extended Education.

Non-immigrant students may be considered for non-degree status without the limitations stated above, but must abide by the regulations stipulated by the Office of International Student Affairs. These applicants should contact the Office of International Student Affairs for specific limitations, application forms, and procedures for international students.

**Non-degree to degree status:** Undergraduate students who wish to change from non-degree to degree status must submit the appropriate application form obtained from the Office of Admission. The semester hours earned as a non-degree student can be applied toward a degree program if applicable.

### **Admission of Students by Individual Approval**

Students who demonstrate outstanding academic achievement and potential, but have not yet graduated from high school, may be admitted by individual approval. Such students seeking concurrent enrollment or early admission should contact the Office of Admission for further information.

Applicants 21 years of age or older who submit results of a General Education Development (GED) examination may be considered for admission on an individual basis. Such applicants generally are encouraged to attend a two-year college for a semester or more in preparation for university studies.

### **Re-enrollment of Former Students**

Students previously enrolled and in acceptable academic standing in an undergraduate degree program who wish to re-enter TCU after absence of a full fall or spring semester must apply for re-enrollment and pay an application fee. Official transcripts from each college or university attended since the last enrollment at TCU must be submitted to the Office of the Registrar (see exception under "re-enrollment following suspension"). Eligibility for re-enrollment will be determined upon review and assessment of the student's entire record.

Former TCU students originally awarded an *academic scholarship* who are applying for re-enrollment may petition for the restoration of that scholarship or may be eligible to compete for a transfer academic scholarship if coursework has been completed at another university. Students may not receive a scholarship that exceeds the original TCU scholarship.

**Non-immigrant students** should apply for re-enrollment at least two months prior to registration in order to meet all requirements of the Office of International Student Affairs.

**Re-enrollment involving a change of major.** When a student is re-enrolled with a change of major, the Office of the Registrar will initiate the Change of Major form. Permission to change major requires approval of the dean of the new major. All entrance requirements specific to the new major must also be met. See *Requirements for Graduation* section.

**Re-enrollment following suspension.** All students suspended from TCU for academic or disciplinary reasons must apply for re-enrollment through the Office of the Registrar. No enrollment will be permitted following a period of suspension until re-enrollment is approved by the Office of the Registrar after consultation with the appropriate dean. (See *Academic Probation and Suspension* elsewhere in this bulletin.)

A student suspended from TCU may not transfer credit that was earned at another college or university during the period of enforced suspension, but must submit all transcripts of any work attempted or completed during that period.

A student may not re-enter TCU while on academic suspension from another college or university.

**Re-enrollment following extended separation from the University.** A student accepted for re-enrollment after a ten-year separation from TCU may petition to have all prior coursework at TCU (selected course exclusion is not permitted) excluded from the TCU GPA calculation and credit toward graduation. The petition should be filed no later than the end of the first semester of re-enrollment in a degree program and be addressed to the registrar who will seek the approval of the appropriate academic dean. If the petition is granted, it is irrevocable. Excluded courses and corresponding grades will still appear on the official transcript but will not be included in calculation of the GPA, will not be counted as meeting credit hour requirements for graduation, and will not be used to satisfy course requirements.

#### **Admission of Students Seeking an Additional Bachelor's Degree**

First-time applicants should complete the Application for Undergraduate Admission for Transfer Students. Students who have previously attended TCU should complete the Application for Re-enrollment and see the section *Re-enrollment of Former Students*. See *Additional Bachelor's Degree* in the Bachelor's Degree section. The student's entire academic record, as well as credentials submitted with the application, will be assessed prior to an admission decision.



## Administration Directory

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An educational corporation first chartered by the State of Texas on April 11, 1874, the University is controlled by a Board of Trustees. They may number from 24 to 50, at least one-sixth of whom and not more than one-half less one, shall be members in good standing of some local congregation of the Christian Church (Disciples of Christ). The trustees nominate and elect their own members as terms expire or vacancies occur. Members serve for four-year terms. In June 2006 members were:

#### Term Expires Annual Spring Meeting 2010

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 Jerrol J. Ray, Since 1992, Austin  
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 Brenda A. (Mrs. Chad E.) Cline, Since 1998, Fort Worth  
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 Lou Hill (Mrs. Ralph) Davidson, Since 2002, Washington, D.C.  
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 Mark L. Johnson, Since 2002, Fort Worth  
 John Wooldridge, Since 2006 (Alumni Assn. Rep.), Houston

#### Term expires Annual Spring Meeting 2009

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 Clarence Scharbauer III, Since 1990, Midland  
 Kade L. Matthews, Since 1993, Fort Worth  
 Lissa (Mrs. Cyril, Jr.) Wagner, Since 1993, Midland  
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 Sarah Hales Smith, Since 2001, Austin  
 Kenneth J. Huffman, Since 2005, Newtown Square, PA

#### Term Expires Annual Spring Meeting 2008

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 G. Malcolm Loudon, Since 1980, Fort Worth  
 Deedie Potter (Mrs. Edward W. III) Rose, Since 1988, Dallas  
 J. Luther King, Jr., Since 1992 (Chairman of the Board 2005-), Dallas  
 Roger A. Ramsey, Since 1992, Houston  
 Joan G.(Mrs. Tom) Rogers, Since 1996, Fort Worth  
 Edgar H. Schollmaier, Since 1996, Fort Worth  
 Charlie L. Geren, Since 2000, Fort Worth

Marcia Fuller (Mrs. L.R.Jr.) French, Since 2004, Fort Worth  
 Nick A. Giachino, Since 2004, Chicago, IL  
 Amy E. Roach, Since 2004, Fort Worth  
 Jan Tucker (Mrs. Robert J.) Scully (Alumni Assoc. Rep.), Since 2004, Fort Worth  
 Rick L Wittenbraker, Since 2004, Houston  
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#### **Term Expires Annual Spring Meeting 2007**

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 Ann (Mrs. Jon Rex) Jones, Since 1988, Albany  
 J. Kelly Cox, Since 1990, Midland  
 Kay (Mrs. Ben J.) Fortson, Since 1995, Fort Worth  
 Alan D. Friedman, Since 1997, Dallas  
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 Patricia Penrose (Mrs. Bob) Schieffer, Since 1999, Washington, D.C.  
 Matthew K. Rose, Since 2002, Fort Worth  
 Mary Ralph Lowe, Since 2003, Fort Worth

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 Dani Loving Cartwright, Regional Minister, Christian Church in the Southwest, Fort Worth

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 R. Bruce LaBoon, Houston  
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 Frank J. Medanich, Dallas  
 Rodger R. Meier, Dallas  
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 Wayne Moore, Midland  
 J. C. Pace, Jr., Fort Worth  
 John V. Roach, (Chairman of the Board, 1990-2005), Fort Worth  
 Winthrop P. Rockefeller, Little Rock, AR  
 Mary Louise (Mrs. E. C.) Rowand, Fort Worth  
 Ruth Carter (Mrs. John) Stevenson, Fort Worth  
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 Vice Chair Clarence Scharbauer III  
 Secretary Karen M. Baker

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 R. Nowell Donovan, B.Sc., Ph.D. -- Provost and Vice Chancellor for Academic Affairs & Charles B. Moncrief Chair of Geology  
 Brian G. Gutierrez, B.B.A., M.P.A. -- Vice Chancellor for Finance and Administration  
 Larry D. Lauer, B.A., M.A., -- Vice Chancellor for Marketing and Communication & Assistant Professor of Communication  
 Donald B. Mills, B.A., M.Div., Ph.D. -- Vice Chancellor for Student Affairs  
 Donald J. Whelan, Jr., B.S., EMIB -- Vice Chancellor for University Advancement  
 Daniel B. Morrison, Jr., B.A., M.Ed., Ph.D. -- Director of Athletics  
 James R. Hille, B.S., M.B.A., C.F.A. -- Chief Investment Officer  
 Karen M. Baker, B.A. -- Assistant to the Chancellor  
 Tracy Syler-Jones, B.A. -- Assistant Vice Chancellor for Marketing and Communication

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 Ruben D. Chanlatte, B.A., M.B.A. -- Associate Provost for Technology Support  
 Samuel M. Deitz, B.A.E., M.A.E., Ph.D. -- Dean of School of Education  
 David T. Edmondson, B.B.A., M.S.D.D. -- Associate Provost of Information Services  
 TBA -- Dean of Harris College of Nursing  
 Michael D. McCracken, B.S., M.S., Ph.D. -- Dean of College Science and Engineering  
 Bonnie E. Melhart, B.A., M.S., Ph.D. -- Associate Provost for Academic Affairs and Associate Professor of Computer Science

Leo W. Munson, B.A., M.S., Ph.D. -- Associate Provost for Academic Support  
 June Koelker, B.A., M.L.S., M.B.A., Ph.D. -- Dean of the Library  
 Ann C. Sewell, B.A., M.A., M.B.A., Ph.D.-- Associate Provost for Academic Planning  
 and Budgeting  
 Daniel G. Short, B.S., M.B.A., Ph.D. -- Dean of M.J. Neeley School of Business  
 William T. Slater, B.A., M.A., Ph.D. -- Dean of College of Communication  
 Scott A. Sullivan, B.A., M.A., Ph.D. -- Dean of College of Fine Arts  
 Mary L. Volcansek, B.A., M.A., Ph.D. -- Dean of AddRan College of Humanities and Social Sciences

### Admissions

Raymond A. Brown, B.A., A.M. -- Dean of Admission  
 D. James Atwood, B.A., M.A., Ph.D. -- Assistant to the Dean  
 Ernesia Harts, B.S. -- Admission Counselor  
 Betsey Hayes, B.A., M.Ed. -- Assistant Director of Admission, California  
 Victoria Herrera, B.A., M.L.A. -- Assistant Director of Admission  
 John Householder, B.S., M.B.A. -- Director of Operations  
 Beth Humphrey, B.A. -- Assistant Director of Admission  
 Joael Kelly, B.S. -- Director of Transfer Admission  
 Sandra Mackey -- Director of Administrative Services  
 Michael Marshall, B.A. -- Admission Counselor  
 Elizabeth Perkins, B.S. -- Director of Freshman Admission and Marketing  
 Amanda Sanchez, B.S. -- Manager of Freshman Information Services  
 Jill Sangl, B.S. -- Assistant Director of Admission, Chicago  
 Karen Lind Scott, B.S., M.L.A. -- Director of International Admission  
 Brooke Vining, B.A. -- Assistant Director of Admission  
 Wes Waggoner, B.A., M.B.A. -- Director of Freshman Admission  
 Carrie Wright-Brown, B.S., M.L.A. -- Assistant Director of Admission

### Affirmative Action

Darron Turner, B.S. M.S. -- AA Officer  
 Jill Laster B.A., M.Ed., A.R.M. -- Deputy AA Officer

### Assessment Office

Catherine Wehlburg, B.S., M.Ed., Ph.D. -- Director

### Athletics

Daniel B. Morrison, Jr., B.A., M.Ed., Ph.D. -- Director of Athletics  
 Monica Ray -- Executive Assistant to the Athletic Director  
 Courtney Holm -- Special Events Coordinator for Athletics  
 Jack Hesselbrock, B.S., M.B.A. -- Associate Director of Athletics  
 Davis Babb, B.S. -- Associate Director of Athletics  
 Marcy Girton, B.S., M.A., M.S. -- Associate Director of Athletics  
 T. Ross Bailey, M.Ed. -- Associate Director of Athletics  
 Scott Kull, B.B.A., M.A. -- Associate Director of Athletics  
 Kyle Brennan, B.A., J.D. -- Director of Compliance  
 Kyle Yates, B.S. -- Compliance Coordinator  
 Mark Cohen, B.A. -- Director of Media Relations  
 Drew Harris, B.A. -- Associate Media Relations Director  
 Brandie Davidson, B.S., M.L.A., Media Relations Assistant  
 \_\_\_\_\_ -- Assistant Media Relations Director  
 \_\_\_\_\_ -- Director of Marketing  
 Kelly Imig, B.S. -- Assistant Director of Marketing  
 Brent Lubahn, B.B.A. -- Assistant Director of Marketing  
 \_\_\_\_\_ -- Assistant Director of Marketing  
 Tommy C. Love, B.A. -- Athletics Business Manager  
 Jeanette Bradley -- Assistant to the Business Manager  
 Chris Uchacz, B.A., M.A. -- Director of Athletic Academic Support  
 Donna Shepherd -- Assistant to Academic Support  
 Laurie Fetter, B.A., M.A. -- Athletic Academic Advisor, Learning Specialist  
 Shawn Worthen, B.B.A. -- Athletic Academic Advisor  
 Judy Golden, B.S., M.L.A. -- Athletic Academic Advisor  
 Kathy Raines, B.A., M.A. -- NCAA CHAMPS Life Skills Coordinator  
 Sam Haraldson, B.S., M.D. -- Team Physician  
 Chris Hall, B.S., M.L.A. -- Director of Sports Medicine  
 Kristen Monahan Brooks, B.S., M.S. -- Assistant Athletics Trainer  
 David Gable, B.S., M.S. -- Assistant Athletics Trainer  
 Andrew Klock, B.S., M.E.S.S. -- Assistant Athletics Trainer  
 Danny Wheat, B.S. -- Assistant Athletics Trainer  
 Sean Conner, B.S. -- Athletics Ticket Operations Manager  
 Chip Heiss, Jr., B.S. -- Customer Relations Manager  
 Phyllis Ballinger, B.S., M.E. -- Ticket Office Assistant  
 Don Sommer, B.S., M.S., M.S.C.C. -- Director of Strength and Conditioning  
 Matt Parker, B.S. -- Strength and Conditioning Coach  
 Joe Walker, B.A., M.S. -- Assistant Strength and Conditioning Coach  
 Brandon Johnson, B.S. -- Assistant Strength and Conditioning Coach  
 Kyle Wallis, B.S. -- Assistant Strength and Conditioning Coach  
 Mike Martin, B.S. -- Video Coordinator  
 Sam Cromley, B.S. -- Assistant Video Coordinator

### ISP Sports

Rudy Klancnik -- General Manager

Jaclyn Rodriguez -- Senior Account Executive  
 Jake Baskin -- Account Executive

#### *Baseball*

Jim Schlossnagle, B.A. -- Head Baseball Coach  
 Todd Whitting, B.S. -- Assistant Baseball Coach  
 Matt Siegel, B.S. -- Assistant Baseball Coach  
 Mike Dilley, B.A., M.L.A. -- Director of Baseball Operations

#### *Basketball - Men's*

Neil Dougherty, B.A., M.Ed. -- Head Men's Basketball Coach  
 Chris Crutchfield, B.S., M.A. -- Assistant Men's Basketball Coach  
 Rick Callahan, B.S., M.S. -- Assistant Men's Basketball Coach  
 Jeff Luster, B.S. -- Assistant Men's Basketball Coach

#### *Basketball - Women's*

Jeff Mittie, B.A., M.S. -- Head Women's Basketball Coach  
 Larry Tidwell, B.A., M.Ed. -- Assistant Women's Basketball Coach  
 Tricia Porter, B.B.A., M.L.A. -- Director of Basketball Operations  
 Yolanda Wells-Broughton, B.A., M.S. -- Assistant Women's Basketball Coach  
 Tonya Benton, B.S. -- Assistant Women's Basketball Coach

#### *Football*

Gary Patterson, B.A., M.A. -- Head Football Coach  
 Mike Sinquefield, B.G.S. -- Director of Football Operations  
 Drew Myers, B.A., M.E.D., Assistant Director of Football Operations  
 Jarrett Anderson, B.A., M.L.A. -- Assistant Football Coach  
 Richard Bumpas, B.S. -- Assistant Football Coach  
 Dick Winder, B.S., M.S. -- Assistant Football Coach  
 Charles McMillian, B.S. -- Assistant Football Coach  
 Chad Glasgow, B.S. -- Assistant Football Coach  
 Mike Schultz, B.A. -- Assistant Football Coach  
 Dan Sharp, B.A., M.L.A. -- Assistant Football Coach  
 Eddie Williamson, B.A., M.A. -- Assistant Football Coach  
 Tony Tademy, B.S. -- Assistant Football Coach

#### *Golf - Men's*

Bill Montigel, B.A., M.S. -- Men's Golf Coach

#### *Golf - Women's*

Angie Ravaoli-Larkin, B.A. -- Women's Golf Coach  
 Nicole Harris, B.A. -- Assistant Women's Golf Coach

#### *Rifle*

Karen Monez, A.A. -- Women's Rifle Coach

#### *Soccer*

Dan Abdalla, B.A. -- Head Soccer Coach (Women's)  
 Mark Plakorus, B.S. -- Assistant Soccer Coach (Women's)  
 Michelle Royal, B.S., M.Ed. -- Assistant Soccer Coach (Women's)

#### *Swimming*

Richard Sybesma, B.S., M.L.A. -- Head Swimming Coach (Men's and Women's)  
 Kristina Straface, B.A. -- Assistant Swimming Coach (Men's and Women's)  
 Erin Goodhart, B.A. -- Assistant Swimming Coach (Women's)

#### *Tennis - Men's*

Joey Rive, B.S. -- Men's Tennis Coach  
 Jeff Beaman, B.S. -- Assistant Men's Tennis Coach

#### *Tennis - Women's*

Dave Borelli, B.A., J.D. -- Head Women's Tennis Coach  
 Jeff Hammond, B.A. -- Assistant Women's Tennis Coach

#### *Track*

Darryl Anderson, B.S., M.S. -- Head Track Coach  
 D'Andre Hill, B.A. -- Assistant Track Coach  
 Patrick Cunniff, B.A. -- Assistant Track Coach  
 John Kenneson, B.S., M.Ed. -- Assistant Track Coach  
 James Thomas, B.S. -- Assistant Track Coach

#### *Volleyball*

Prentice Lewis, B.A. -- Head Women's Volleyball Coach  
 Jason Tanaka, B.A. -- Assistant Women's Volleyball Coach  
 Linda Hampton, B.S. -- Assistant Women's Volleyball Coach

#### *Spirit*

Stacey Schirato, B.S. -- Showgirls  
 \_\_\_\_\_ -- Cheerleading

### **Business Services**

Travis Cook -- Director of Business Services  
 Patti Sellers -- Telecommunications Coordinator  
 Glen Bradford -- Manager Printing Services  
 Glen Hulme, B.A., M.L.A. -- Manager Mailing Services & Post Office  
 Vince Pankey, B.F.A. -- Conference Services Manager

#### **Center for Academic Services**

Marsha Ramsey, B.S., M.A. -- Director  
 Cheryl Cantu-Mireles, B.S., M.Ed. -- Academic Advisor  
 Patricia Murrey B.A., M.S. -- Academic Advisor  
 Robert Crawley, B.S. M.L.A., M.Ed. -- Academic Advisor  
 April Brown, B.S. M.Ed. -- Academic Advisor

#### **William H. Koehler Center for Teaching Excellence**

TBA -- Director  
 Romana Hughes, B.A.A.S. -- Coordinator of eLearning Initiatives  
 Wade Couturiaux, B.S. -- Senior Instructional Design Assistant  
 TBA -- Instructional Design Assistant

#### **Chancellor's Office**

Karen M. Baker, B.A. -- Assistant to the Chancellor  
 Ann Loudon, B.A., M.L.A. -- Chancellor's Assistant for External Relations  
 Vacancy -- Assistant to the Chancellor  
 Sheri Miller, B.S.H.E., M.B.A. -- Chancellor's Special Events Coordinator

#### **Extended Education**

David Grebel, B.A., M.Div., M.A. -- Director  
 Julia Lovett, B.S., M.Ed. -- Assistant Director  
 Susan M. Harris, B.S. -- Coordinator, Special Programs

#### **Finance and Administration**

Brian G. Gutierrez, B.B.A., M.P.A., C.P.A. -- Vice Chancellor for Finance and Administration/Treasurer  
 Richard (Dick) P. Hoban, B.B.A., C.P.A. -- Assistant Treasurer

#### **Financial Analysis and Property Management**

Donna M. Traylor, B.S., C.P.A. -- Director

#### **Financial Services**

Jocelyn Allen, B.B.A., C.P.A. -- Financial Systems Administrator  
 Wendy Crowley, B.S. -- Director of Student Financial Services  
 Brad Davis, B.B.A., C.P.A. -- Student Financial Systems and Collections Administrator  
 Roger Fuller, B.A. -- Director of Purchasing  
 Peg Meroney -- Director of Financial Operations  
 Tammy Tanner, B.B.A., M.S.A., C.P.A. -- Director of Accounting  
 Cheryl Wilson, B.B.A., C.P.A. -- Associate Vice Chancellor and Controller

#### **Honors Program**

Peggy W. Watson, B.A., M.A, Ph.D. -- Director  
 Virginia Dias, B.A., M.A -- Coordinator

#### **Human Resources Office**

Jill Laster, B.A., M.Ed., A.R.M. -- Associate Vice Chancellor for Human Resources and Risk Management  
 Patricia J. Jolley, B.S., M.L.A., C.C.P. -- Director of Compensation  
 Elaine Brown, B.B.A., C.C.P., P.H.R. -- Compensation Manager  
 Shari Barnes, B.S., M.L.A. -- Director of Employee Relations/Conflict Resolution Facilitator  
 Debby Watson, B.S. -- Director of Payroll Services  
 Susan Oakley, B.S., M.L.A. -- Human Resources Manager/Employment and Training  
 Tracy R. Thompson, B.S. -- Human Resources Manager/Benefits Coordinator  
 Darrell Littleberry, B.A., C.P.A. -- HRMS Administrator

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Randal L. Cobb, B.S. -- Director of Safety  
 Jonathan G. Brown, B.S. -- Environmental Health & Safety Coordinator  
 Hao Tran, B.S., M.L.A. -- Workers' Compensation Coordinator

#### **Information Services**

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David E. Edmondson, B.B.A., M.S.D.D. -- Associate Provost

##### *Administrative Systems*

Jacqui Hastings, B.B.A., -- Manager  
 Jolene Alonso, B.S.B. -- Systems Analyst  
 Susie Davis, B.B.A., M.B.A., C.P.A. -- Systems Analyst  
 Bob Hansard, B.A., M.A. -- Systems Analyst  
 Joshua Harmon, B.A. -- Systems Programmer  
 Joy Holekamp, B.B.A. -- Systems Analyst

Jeffrey Larremore, B.B.A. -- Programmer/Analyst  
 Cindy McPherson, B.F.A, M.L.A. -- Programmer/Analyst  
 Henry Sanchez, B.A, M.B.A. -- Systems Analyst  
 Michael Selman, B.B.A. -- Systems Analyst  
 Steve Taylor, B.S. -- Systems Analyst  
 Greg Wendt, B.S. -- Systems Analyst  
 Tiffany Wendt, B.A.S. -- Systems Analyst  
 Yolanda Winston, B.B.A. -- Systems Analyst  
 Richard O. Yantis, B.B.A. -- Technical Project Leader

#### *Technical Services*

William Senter, B.A., M.B.A. -- Manager  
 Jonathan Altschul, B.A., -- Server Administrator  
 Karen Bowerman, B.S. -- Senior Client Server Specialist  
 Craig Carlson, B.B.A -- Database Administrator  
 Lane Duncan, B.A., M.Div. -- Assistant Database Administrator  
 Jon K. Eidson, B.S., M.B.A. -- Database Administrator  
 Tony Fleming, B.S. -- Senior Network Engineer  
 David Jewett -- Client Server Specialist  
 Warner Kimbrell -- Network Engineer  
 Bryan Lucas, B.B.A. -- Network Specialist  
 James Mayne, B.A., B.S., M.A. -- Network Security Engineer

#### *User Services*

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 Ann Bailey, B.B.A -- User Services Consultant  
 Susan Bartlett, B.B.A. -- User Services Consultant  
 Carlene Coover, B.S., M.B.A.-- Training Consultant  
 Alan Crume, B.S., -- User Services Consultant  
 Sean Gillaspay, B.S. -- User Services Consultant  
 Rebecca Glass, B.S. -- User Services Consultant  
 Cathleen Jackson, A.A.-- User Services Consultant  
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 Barbara Savak, B.G.S., M.L.A. -- Training and Documentation Analyst  
 Ivan E. Taylor, B.S., Ph.D. -- User Services Consultants Supervisor

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 Kirk Broome, Ph.D. -- Research Scientist  
 Donald F. Dansereau, Ph.D. -- Associate Director  
 Patrick M. Flynn, Ph.D. -- Deputy Director  
 Jack Greener, Ph.D. -- Research Scientist  
 George W. Joe, Ed.D. -- Associate Director  
 Danica Knight, Ph.D. -- Research Scientist  
 Kevin Knight, Ph.D. -- Research Scientist  
 Janis T. Morey, M.Ed. -- Research Associate  
 Grace Rowan-Szal, Ph.D. -- Research Scientist

#### **Institutional Research**

Susan G. Campbell, B.A. -- Director  
 Catherine L. Coghlan, A.B., M.S.S.W., Ph.D. -- Assistant Director

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#### **Intensive English Program**

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 Barbara Alvarez, B.S., M.A. -- Instructional Staff  
 Tom Crowell, Ph.D. -- Instructional Staff

#### **International Studies: TCU Abroad**

Jane Kucko, B.S., M.S., Ph.D. -- Director  
 Tracy Williams, B.A., M.A., A.B.D. -- Associate Director  
 Susan Layne, B.A., M.A. -- London Centre Coordinator  
 Lisa Thompson, B.A., M.S., M.A. -- London Centre Director

#### **Marketing and Communication**

Larry Lauer, B.A., M.A. -- Vice Chancellor  
 Tracy Syler-Jones, B.A. -- Assistant Vice Chancellor  
 Gorland Mar, B.F.A.-- Director of Publications  
 Margaret Kelly, B.A.-- Executive Director of Community Projects  
 Victor Neil, B.S. -- Director of Website Management  
 Dee Dodson, B.A. -- Senior Director of Advancement Communications  
 Nancy Bartosek, B.A. -- Director of Editorial Services  
 David Murph, B.A., M.Div., Ph.D. -- Director of Church Relations  
 Elizabeth Perkins, B.S. -- Director of Admission Marketing

Shawn Kornegay, B.S. -- Assistant Director of Communications  
 Sandra Hawk Record, B.A. -- Internal Communications Manager  
 Lisa Albert, B.S. -- Communications Specialist  
 John K. Maddox, B.A. -- Senior Art Director  
 Ma'Lisa Yost Mann, B.S. -- Development Communications Editor  
 Allie Regan, B.F.A. -- Art Director  
 Tracy Bristol, B.F.A. -- Art Director  
 Rick Waters, B.S. -- Assistant Director of Editorial Services  
 Mark Wright, B.A. -- News Editor  
 Elaine Tubre, B.A., M.S. -- Assistant Director of Website Management

#### **Mary Couts Burnett Library**

June Koelker, B.A., M.L.S., M.B.A., Ph.D. - Dean of the Library  
 Cari Alexander, B.A., B.A., M.M., M.L.S. -- Music Librarian  
 Brenda Barnes, B.S., M.S.L.S. -- Head, Government Information  
 Charles Bellinger, B.S., M.A., Ph.D., M.S.L.S. -- Brite Librarian  
 Marianne Bobich, B.A., M.L.S. -- Head, Reference and Online Services  
 Diana Boerner, B.A., M.L.I.S. -- Reference/Business Librarian  
 Kerry Bouchard, B.A., M.F.A., M.L.S. -- Director of Library Systems  
 Sara Dillard, B.A., M.A., M.S.L.S. -- Catalog Librarian  
 Vinita Dobson, B.A., M.S.L.S. -- Catalog Librarian  
 Claire Galloway, B.A., M.L.S. -- Archivist  
 Dennis Gibbons, B.A., M.L.S. -- Head, Collection Development  
 Stephanie Folse, B.A., M.A., M.L.I.S. -- Information Technology Librarian  
 Susan Hawk, B.A. M.A. -- Electronic Services Librarian  
 Michael Lampley, B.A., M.L.I.S. -- Periodicals Librarian  
 James Lutz, B.A., B.A., M.S.L.S. -- Director of Library Administrative Services  
 Dennis Odom, B.A., M.L.S. -- Head, Acquisitions  
 Roger Rainwater, B.A., M.A., M.L.S. -- Head, Special Collections  
 Laura Ruede, B.M., M.L.S. -- Van Cliburn Archivist  
 Cheryl Sassman, B.S., M.B.A. -- Head, Circulation  
 Sandra Schrag, B.A., M.L.S., M.S. -- Head, Interlibrary Loan  
 Sally Sorensen, B.A., M.S.L.S. -- Head, Cataloging  
 Laura Steinbach, B.F.A., M.F.A., M.L.S. -- Instruction Librarian  
 Michael Strom, B.A., M.A., M.L.I.S. -- Senior Archivist

#### **Physical Plant**

Willett R. Stallworth, P.E., B.S., M.S. (2) -- Associate Vice Chancellor for Facilities  
 Richard T. Bryan, B. Arch, M.U.P. -- Associate Director, Operations  
 Harold J. Leeman, Jr., P.E., B.S., M.S.C.E. (2) -- Associate Director, Major Projects  
 David C. Mestemaker, B.S., M.A. -- Assistant Director of Physical Plant, Resources  
 Hollis Dyer, B.S. -- Assistant Director of Physical Plant, Building Maintenance  
 Robert Sulak, B.S. -- Assistant Director of Physical Plant, Landscaping and Grounds  
 Rex Bell, A.A. -- Assistant Director of Physical Plant, Mechanical Maintenance  
 George Bates, P.E., B.S., E.E. -- Assistant Director of Physical Plant, Electrical Maintenance  
 Joseph Laster -- Director, Facility Services  
 Shelton Riley, B.A.F. -- Assistant Director, Facility Services  
 Paul Alan Hood, C.I.E., B.S. Eng. Tech. -- Project Engineer  
 David Hoyler, A.I.A., B.S. Arch. -- Project Manager  
 Donald W. Bruner, B. Arch. -- Project Manager  
 Jesus Rangel, Jr., P.E., B.S., M.B.A. -- Project Manager  
 Lisa Aven, B.S. Interior Design, T.A.I.D. -- Interior Designer  
 Lisa Hall, B.S. Interior Design -- Interior Design Technician  
 Dan Dehart, B.A.A.S. -- Purchasing Manager

#### **Provost's Office**

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 Donna M. Johnson -- Assistant to the Provost and Vice Chancellor

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 Mary W. Kincannon, B.S. M.L.A. -- Associate Registrar  
 Vanessa Lanzarotti, B.G.S., M.B.A. -- Associate Registrar  
 Pamela J. Sanguinet, B.S., M.A., M.Ed. -- Manager, Academic Progress Services

#### **Research and Sponsored Projects**

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 Walt Metscher, B.A., M.S.A., Technical Purchasing Analyst

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 Victoria K. Chen, B.A., M.L.A. -- Associate Director  
 S. Kaye Derrick, B.S. -- Assistant Director  
 Melet Leafgreen, B.M., M.L.A. -- Assistant Director  
 John Tinney, B.S. -- Manager, Information Services  
 Kathryn Blackham, B.B.A., M.L.A. -- Financial Aid Advisor  
 Trudy Conner, B.B.A. -- Financial Aid Advisor  
 Bianca Allen, B.A. -- Financial Aid Advisor  
 Debbie Mar -- Graduate Advisor

**Student Affairs***Campus Life*

Susan Adams, B.S., M.S. -- Associate Vice Chancellor for Student Affairs and Dean of Campus Life  
 Larry Markley, B.A., M.A. -- Director of Student Center  
 John Singleton, B.A., M.Ed. -- Director of International Student Services  
 Robert Soulliere, B.A., M.L.I.S., Assistant Director/Resource Librarian of International Student Services  
 Mike Russel, B.S., M.Ed., M.B.A. -- Associate Dean of Campus Life  
 Glory Robinson, B.S., M.Ed. -- Associate Dean of Campus Life  
 James Parker, B.A., M.Ed. -- Assistant Dean of Campus Life  
 Shelley Story, B.A., M.Ed. -- Assistant Dean of Campus Life  
 Tracy Tucker, B.S., M.L.A. -- Assistant Dean of Campus Life  
 Laura Crawley, B.A. M.T.S. -- Assistant Dean of Campus Life/Health Promotion  
 Natalie Boone, B.S., M.S.Ed. -- Assistant Director of Student Center/Programming Council Advisor

*Campus Police*

Steve McGee, B.B.A., J.D. -- Chief  
 J.C. Williams -- Assistant Chief

*Career Services*

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 Charles Dunning, B.A., M.Ed. -- Assistant Director  
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 LaTonya Johns, B.S., M.S. -- Associate Director  
 Marjory Eisenman, B.S., M.S. -- Assistant Director  
 Vanden Thong, B.S., M.S. -- Assistant Director  
 Jenny Cureton, B.S., M.S. -- Assistant Director  
 Karen Dunn, B.S. -- Recruitment Coordinator

*Health Services*

John S. Terrell, M.D. -- Director

*Health Center*

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 Burton W. Schwartz, A.B., M.D., F.A.A.P. -- Staff Physician  
 Jane Torgerson, M.D., F.A.C.E.P. -- Staff Physician  
 Johnnie Ireland, R.N.C., W.H.N.P. -- Nurse Practitioner  
 Wendell Geiger, P.A.-C, M.P.A.S. -- Physician Assistant Health Services

*Counseling Center*

Linda Wolszen, Ph.D. -- Director  
 Sandra Steinbach, M.D. -- Psychiatrist  
 Robert Knipstein, M.D. -- Psychiatrist  
 Monica Kintigh, Ph.D. -- Licensed Counselor  
 John Koechel, Ph.D. -- Clinical Psychologist

*Inclusiveness and Intercultural Services*

Darron Turner, B.S., M.S. -- Associate Dean for Student Development  
 Greg Trevino, B.B.A., M.L.A. -- Assistant Director, Intercultural Education and Services

*Residential Services*

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 Barbara Hawkins, B.A., M.A. -- Associate Director of Residential Life  
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*Student Development Services*

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 Kay Higgins, B.A., M.A., Ph.D. -- Associate Dean of Student Development and Director of Parent Programs  
 Cynthia Walsh, B.A., J.D. -- Assistant Dean of Student Development and Director of TCU Leadership Center  
 Carrie Zimmerman, B.A., M.Div. -- Director First Year Experience  
 Karen Anisman, B. A., M.A., -- Assistant Director, Center for Civic Literacy  
 Cathy Avila-Linn, B.A., M.Ed. -- Director of Community Involvement & Service Learning  
 Melissa Boyd, B.A., M.S. -- Associate Director, TCU Leadership Center  
 John-Mark Day, B.A., M.S. -- Program Coordinator, Student Development Services / Student Organizations  
 Sumer Jordan, B.S., M.S. -- Assistant Director, Student Development Services / TCU Transitions  
 Angelia Lindbloom, B.A., M.F.A. -- Program Coordinator, Student Development Services / TCU Transitions  
 Rebecca Murray, B.S., M.S. -- Assistant Director, TCU Leadership Center and First Year Experience  
 Marcy Paul, B.A., M.A. -- Director, Women's Resource Center  
 Laura Thomas, B.S., M.A.-- Assistant Director, TCU Leadership Center  
 Peter Thompson, B.A -- Program Coordinator, Community Involvement & Service Learning

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 Mary Ellen Milam, B.S., M.S. -- Associate Director  
 Kristin McAfee, B.A. -- Assistant Director - Outdoor Recreation  
 Cristina Carpenter, B.S., M.A. -- Assistant Director - Intramural Sports & Sports Clubs  
 Robert Manners, B.A., M.A. -- Assistant Director - Aquatics  
 Trey Morrison, B.S., M.S. -- Assistant Director - Fitness and Wellness  
 Jay Iorizzo, B.S., M.S. -- Assistant Director - Facility Management



*Alcohol and Drug Education*

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 Kimberly "Sparkle" Greenhaw, B.S., M.Ed. -- Associate Director of Alcohol and Drug Education  
 Yvonne Lin Giovannis, B.A., M.Ed., Assistant Director

*Student Affairs Information Services*

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 Craig Elders, B.B.A.

*University Ministries*

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 Charles Calabrese, B.A., M.Div., M.S. -- Roman Catholic Minister  
 John Gilbert, B.A., M.Div. -- Wedding/Chapel Coordinator  
 Bryan Young, B.A., M.Theo. -- United Methodist Minister

**TCU Press**

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 Susan Petty, B.A. -- Editor

**University Advancement**

Donald J. Whelan, Jr., B.S., EMIB -- Vice Chancellor

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 Gay Donohoo, B.S. -- Senior Director of Advancement Services  
 Yvonne Mann, B.B.A. -- Associate Director of Development Information Services  
 Cheryl Gray, B.A. - Gift Processing Manager and Director of Matching Gifts  
 Trey Lawyer - Technical Services Analyst  
 Dorothy Morris -- Administrative Services Manager  
 Veleria Cowson -- Data Control Manager  
 Paul Ly, B.S. -- Web Technology Manager  
 Alice Carter, B.A., M.A. -- Director of Advancement Research  
 Andrea Heitz, B.A., M.S., M.T.S. -- Research Officer  
 Virginia Schmidt, B.A. -- Research Officer  
 Robin Richey -- Research Officer

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 Rebekah Waits, B.B.A. -- Director of Alumni Relations  
 Laura Chudy, B.B.A. -- Associate Director of Alumni Relations  
 Jason Eagar, B.B.A., B.S. -- Assistant Director of Alumni Relations  
 Karen Nichols, B.S., M.T. -- Assistant Director of Alumni Relations  
 Brandt Reed, B.B.A., E-Bus -- Web Services Coordinator  
 Melissa Austin-Weeks, B.S.N. -- Special Events Coordinator

*Athletic Fund Raising (Frog Club)*

Davis Babb, B.S. -- Associate Director of Athletics, Assistant Vice Chancellor of Athletic Fund Raising  
 John Denton, B.A. -- Director of Frog Club  
 Marissa Schenke, B.S., M.Ed -- Assistant Director of Frog Club

*Donor Relations and Special Projects*

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 Sandra Tuomey, B.S. -- Director of Donor Relations  
 Nancy Madsen, B.J., M.L.A. -- Associate Director of Donor Relations  
 Lynn Taylor, B.A. -- Clark Society Liaison and Event Planner  
 Amy Cohorn, B.B.A. -- Scholarship/Stewardship Coordinator

*University Development*

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 Dennis Alexander, B.S. -- Director of Foundation Relations  
 Penny Bishop, B.S. -- Director of Corporate Relations  
 April Culver, B.S., M.A. -- Director of Parent Relations  
 Merrilee Kuylen, B.A., C.P.A. -- Director of Planned Giving  
 Cindy Hayes, B.A., M.S. -- Director of Annual Fund  
 Amy Daniel -- Director of Phonathon  
 Janine Kraus -- Gift Officer Student Programs  
 Julie Whitt -- Gift Officer Reunion & Pool Renewals  
 Daniel G. Grigg, B.S. -- Assistant Vice Chancellor of Regional Development  
 Diane Murray -- Development Director of Central US, East & Central Texas  
 Karen Cochran, B.S. -- Development Director of West TX & Eastern US  
 Adam Baggs, B.A., M.P.A. -- Assistant Vice Chancellor of School/College Development  
 Brian Allen, B.B.A. -- Development Director of Business  
 Kathy Limmer, B.A. -- Development Director of Addran  
 DeVonna Tinney, B.B.A. -- Development Director of Communications  
 Michele Case, B.A., M.A. -- Development Director of Education  
 Valerie DeSantis, B.A. -- Development Director of Science & Engineering  
 Chandler Smith, B.J. -- Development Director of Fine Arts

**William L. Adams Center for Writing**

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David Kuhne, B.A., M.F.A., Ph.D. -- Associate Director  
Harry Antrim, B.A., M.A., Ph.D. -- Visiting University Professor  
Cheryl Carithers, B.A., M.A. -- Instructional Staff  
Billie Sue Hara, B.A., M.A. -- Instructional Staff  
Cynthia Shearer, B.A., M.A. -- Instructional Staff

## Faculty Directory

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### AddRan College of Humanities and Social Sciences

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Michael R. Butler, Associate Dean

Don M. Coerver, Associate Dean

Ida N. Hernandez, Assistant to the Dean

### Aerospace Studies Faculty

MAJ JEFFREY D. HEYSE, *Assistant Professor*. B.S. (University of Southern Colorado), 1994; M.B.A. (Troy State University), 1997. Since 2005.

CAPT DAVID R. MONTALVO, *Assistant Professor*. B.S. (University of Texas at Austin), 1999. Since 2004.

### Design, Merchandising and Textiles

JULIENNE BALLANTYNE, *Instructor*. D.A. (Glasgow School of Art), 1974; M.F.A. (Texas Christian University), 1976. Since 2005.

JANACE E. CLARKE, *Associate Professor and Chair of the Department*. B.S. (State University of New York at Oneonta), 1991; M.A. (Texas Woman's University), 1994; Ph.D. (Texas Woman's University), 1998. Since 2000.

SALLY L. FORTENBERRY, *Associate Professor*. B.S. (Carson-Newman College), 1980; M.S. (Texas Woman's University), 1981; Ph.D. (Texas Woman's University), 1985. Since 1989.

CAROL HERMANOVSKI, *Lecturer*. B.F.A. (Parsons School of Design). Since 2006.

JANE KOLAR KUCKO, *Associate Professor*. B.S. (University of Nebraska), 1981; M.S. (Oklahoma State University), 1983; Ph.D. (Texas Woman's University), 2003. Since 1984.

FREDERICK DANIEL OBERKIRCHER III, *Associate Professor*. B.S. (Pennsylvania State University), 1968; M.S. (Pennsylvania State University), 1970. Since 1974.

LAURA PRESTWOOD, *Associate Professor*. B.S. (Meredith College), 1990; M.F.A. (Winthrop University), 1999. Since 2002.

POLLY P. STARR, *Instructor*. B.S. (Texas Wesleyan College), 1967; M.S. (University of North Texas), 1987. Since 1987.

PATRICIA T. WARRINGTON, *Assistant Professor*. B.A. (Texas Christian University), 1975; M.B.A. (Texas Christian University), 1984; Ph.D. (University of Arizona), 2002. Since 2006.

### Economics

DOUGLAS G. BUTLER, *Instructor*. B.A. (Louisiana State University), 1989; Ph.D. (Auburn University), 2005. Since 2003.

MICHAEL R. BUTLER, *Associate Professor and Associate Dean of AddRan College of Humanities and Social Sciences*. B.A. (Emory University), 1980; M.A. (Georgia State University), 1982; Ph.D. (University of North Carolina), 1986. Since 1986.

DAWN C. ELLIOTT, *Associate Professor*. B.A. (University of the West Indies), 1988; M.A. (Florida Atlantic University), 1990; Ph.D. (New School for Social Research), 1994. Since 1995.

ROBERT F. GARNETT JR., *Associate Professor*. B.A. (College of William and Mary), 1984; Ph.D. (University of Massachusetts), 1994. Since 1996.

JOHN T. HARVEY, *Professor and Chair of the Department*. B.A. (University of Tennessee), 1983; M.A. (University of Tennessee), 1986; Ph.D. (University of Tennessee), 1987. Since 1987.

KRISTIN KLOPFENSTEIN, *Associate Professor*. B.A. (George Washington University), 1994; M.A. (University of Colorado), 1998; Ph.D. (University of Colorado), 1999. Since 1999.

JOHN R. LOVETT, *Instructor*. B.A. (Southwest Missouri State University), 1988; M.A. (University of Colorado), 1993; Ph.D. (University of Colorado), 1996. Since 2000.

EDWARD M. McNERTNEY, *Associate Professor*. B.A. (Bloomsburg State College), 1969; M.A. (Bowling Green State University), 1970; Ph.D. (University of Massachusetts), 1977. Since 1977.

STEPHEN F. QUINN, *Associate Professor*. B.A. (Rockford College), 1988; M.S. (University of Illinois), 1994; Ph.D. (University of Illinois), 1994. Since 1995.

KIRIL TOCHKOV, *Assistant Professor*. M.A. (Heidelberg University), 1999; M.A. (State University of New York at Binghamton), 2002; Ph.D. (State University of New York at Binghamton), 2005. Since 2005.

### English

BONNIE BLACKWELL, *Associate Professor*. B.A. (University of Texas at Austin), 1990; M.A. (Cornell University), 1996; Ph.D. (Cornell University), 1998. Since 1998.

NEIL EASTERBROOK, *Associate Professor*. B.A. (Ithaca College), 1979; M.A.T. (Colgate University), 1981; M.A. (State University of New York at Buffalo), 1986; Ph.D. (State University of New York at Buffalo), 1988. Since 1990.

RICHARD L. ENOS, *Professor and Lillian Radford Chair of Rhetoric and Composition*. B.A. (California State University), 1969; M.A. (Indiana University), 1970; Ph.D. (Indiana University), 1973. Since 1995.

BERTRAM H. FAIRCHILD, JR., *Lorraine Sherley Professor of Literature*. B.A. (University of Kansas), 1964; M.A. (University of Kansas), 1968; Ph.D. (University of Tulsa), 1975. Since 2006.

ANNE FREY, *Assistant Professor*. B.A. (Williams College), 1994; M.A. (Johns Hopkins University), 1988; Ph.D. (Johns Hopkins University), 2002. Since 2005.

BOB J. FRYE, *Emeritus Professor and Distinguished Lecturer*. B.A. (Wayland Baptist University), 1961; M.A. (University of Tennessee), 1964; Ph.D. (University of Tennessee), 1966. Since 1966.

THERESA GAUL, *Associate Professor*. B.A. (College of St. Catherine), 1990; M.A. (University of Wisconsin), 1992; Ph.D. (University of Wisconsin), 1998. Since 1999.

ANN L. GEORGE, *Associate Professor and Director of Undergraduate Studies*. B.A. (Michigan State University), 1979; M.F.A. (University of North Carolina at Greensboro), 1981; Ph.D. (Pennsylvania State University), 1997. Since 1997.

DUANE JUAN GIL, *Assistant Professor*. B.A. (Cornell University), 1993; M.A. (Johns Hopkins University), 1997; Ph.D. (Johns Hopkins University), 2000. Since 2005.

JILL CAROLINE HAVENS, *Instructor*. B.A. (Mount Holyoke College), 1989; Ph.D. (Oxford University), 1996. Since 2003.

CHARLOTTE HOGG, *Assistant Professor*. B.A. (University of Nebraska), 1993; M.A. (Oregon State University), 1996; Ph.D. (University of Nebraska), 2001. Since 2001.

LINDA K. HUGHES, *Addie Levy Professor of Literature*. B.A. (Wichita State University), 1970; M.A. (University of Missouri), 1971; Ph.D. (University of Missouri), 1976. Since 1988.

CARRIE SHIVELY LEVERENZ, *Associate Professor and Director of Composition*. B.A. (Mt. Vernon Nazarene University), 1981; M.A. (St. Bonaventure University), 1985; Ph.D. (Ohio State University), 1994. Since 2000.

BRAD LUCAS, *Assistant Professor*. B.A. (University of Illinois), 1992; M.A. (Southwest Texas State University), 1994; Ph.D. (University of Nevada), 2002. Since 2003.

TIMOTHY L. PARRISH, *Associate Professor*. B.A. (Trinity University), 1986; M.A. (University of Chicago), 1988; Ph.D. (University of Washington), 1993. Since 2003.

RONALD PITCOCK, *Assistant Professor*. A.B. (Wabash College), 1991; M.A. (Indiana State University), 1993; Ph.D. (University of Kentucky), 2001. Since 2001.

CURT NELSON RODE, *Instructor*. B.A. (University of Illinois), 1988; M.A. (University of Tennessee), 1992; Ph.D. (University of Tennessee), 1998. Since 2003.

ELIZABETH SPILLER, *Associate Professor*. B.A. (Amherst College), 1987; M.A. (Harvard University), 1990; Ph.D. (Harvard University), 1995. Since 2000.

KAREN E. STEELE, *Associate Professor*. B.A. (St. Olaf College), 1988; M.A. (University of Texas at Austin), 1992; Ph.D. (University of Texas at Austin), 1996. Since 1996.

AUSTRALIA TARVER, *Associate Professor*. B.A. (Fisk University), 1964; M.A. (Ohio University), 1965; Ph.D. (University of Iowa), 1978. Since 1995.

DAVID VANDERWERKEN, *Professor*. B.A. (Colgate University), 1968; Ph.D. (Rice University), 1973. Since 1971.

DANIEL E. WILLIAMS, *Professor and Chair of the Department*. B.A. (Washington College), 1973; M.A. (University of Denver), 1976; Ph.D. (University of Denver), 1980. Since 2003.

### History

D. CLAYTON BROWN, *Professor*. B.A. (North Texas State University), 1964; M.A. (North Texas State University), 1965; Ph.D. (University of California at Los Angeles), 1970. Since 1971.

JODI M. CAMPBELL, *Associate Professor*. B.A. (University of Nebraska), 1990; M.A. (Tulane University), 1992; Ph.D. (University of Minnesota), 1999. Since 2002.

GREGG CANTRELL, *Professor and Erma and Ralph Lowe Chair in Texas Studies*. B.A. (Texas A & M University),

1979; M.A. (Texas A & M University), 1980; Ph.D. (Texas A & M University), 1988. Since 2003.

JAMES T. CHAMBERS, *Associate Professor*. B.A. (Memphis State University), 1965; M.A. (University of Illinois), 1967; Ph.D. (University of Illinois), 1973. Since 1971.

DON M. COERVER, *Professor and Associate Dean of AddRan College of Humanities and Social Sciences*. B.A. (Southern Methodist University), 1964; M.A. (Southern Methodist University), 1970; Ph.D. (Tulane University), 1973. Since 1973.

JUAN M. FLOYD-THOMAS, *Associate Professor*. B.A. (Rutgers University), 1993; M.A. (Temple University), 1996; Ph.D. (University of Pennsylvania), 2000. Since 2002.

MARK T. GILDERHUS, *Professor and Lyndon Baines Johnson Chair of History*. B.A. (Gustavus Adolphus College), 1963; M.A. (University of Nebraska), 1965; Ph.D. (University of Nebraska), 1968. Since 1997.

TODD M. KERSTETTER, *Associate Professor*. B.A. (Duke University), 1986; M.A. (University of Nebraska), 1992; Ph.D. (University of Nebraska), 1997. Since 2000.

KATHRYNE McDORMAN, *Associate Professor*. B.A. (University of Kentucky), 1967; M.A. (University of North Carolina), 1969; Ph.D. (Vanderbilt University), 1976. Since 1977.

SUSAN RAMIREZ, *Professor and Neville G. Penrose Chair of Latin American Studies*. B.A. (University of Illinois), 1968; M.A. (University of Wisconsin), 1973; Ph.D. (University of Wisconsin), 1977. Since 2003.

JEFFREY ROET, *Instructor*. B.A. (State University of New York at Buffalo), 1973; M.A. (Northwestern University), 1977; Ph.D. (Northwestern University), 1982.

CLAIRE A. SANDERS, *Instructor*. B.A. (Mount Holyoke College), 1983; J.D. (University of North Carolina), 1986; M.A. (University of North Carolina), 1991; Ph.D. (University of North Carolina), 1996. Since 1998.

REBECCA SHARPLESS, *Assistant Professor*. B.A. (Baylor University), 1978; M.A. (Baylor University), 1983; Ph.D. (Emory University), 1993. Since 2006.

GENE A. SMITH, *Professor and Director of the Center for Texas Studies*. B.A. (Auburn University), 1984; M.A. (Auburn University), 1987; Ph.D. (Auburn University), 1991. Since 1994.

SARA SOHMER, *Instructor*. B.A. (University of Tennessee), 1966; M.A. (University of Wisconsin), 1967; Ph.D. (University of Hawaii), 1988. Since 1995.

KENNETH STEVENS, *Professor and Chair of the Department*. B.A. (Indiana University), 1968; M.A. (Indiana University), 1974; Ph.D. (Indiana University), 1982. Since 1983.

PETER A. SZOK, *Associate Professor*. B.S. (Georgetown University), 1990; M.A. (Tulane University), 1994; Ph.D. (Tulane University), 1998. Since 2002.

BENJAMIN TILLMAN, *Associate Professor*. B.S. (Brigham Young University), 1993; M.S. (Brigham Young University), 1994; Ph.D. (Louisiana State University), 1999.

STEVEN E. WOODWORTH, *Professor*. B.A. (Southern Illinois University), 1982; Ph.D. (Rice University), 1987. Since 1997.

PETER M. WORTHING, *Associate Professor*. B.A. (Trinity College), 1987; M.A. (University of Hawaii at Manoa), 1991; Ph.D. (University of Hawaii at Manoa), 1995. Since 2002.

### **Military Science**

MAJ JOHN S. AGOR, *Professor and Chair of the Department*. B.A. (Purdue University), 1989; M.B.A. (University of Scranton), 2001. Since 2005.

MAJ. KRISTIN D. KREMER, *Assistant Professor*. B.A. (Loyola University of Chicago), 1991; M.B.A. (Baker University), 2001. Since 2003.

### **Modern Languages and Literatures**

CYNTHIA CHAPA, *Instructor*. B.A. (Valparaiso University), 1966; M.A. (University of Chicago), 1967; Ph.D. (University of Chicago), 1974. Since 2005.

SHARON L. FAIRCHILD, *Associate Professor and Chair of the Department*. B.A. (Wayne State University), 1969; M.A. (Wayne State University), 1975; Ph.D. (Wayne State University), 1980. Since 1978.

YUMIKO KEITGES, *Instructor*. B.A. (University of Texas at Austin), 1985; M.A. (University of Texas at Austin), 1989. Since 1991.

JEAN KNECHT, *Assistant Professor*. Diplome, Humanites Greco-Latines (Athenee Royal de Huy, Belgium), 1954; Regent en Philologie Germanique (Ecole Normale Superieure, Liege, Belgium), 1957. Since 1961.

MARIE-MADELEINE SCHEIN, *Lecturer*. B.A. (Université Paul Valéry-Montpellier), 1981; M.A. (Université Paul Valéry-Montpellier), 1982; M.A. (University of Colorado), 1985; Ph.D. (University of North Texas), 1994. Since 2006.

JEFFREY D. TODD, *Associate Professor*. B.A. (Ashbury College), 1983; M.A. (University of Cincinnati), 1987; Ph.D. (University of Cincinnati), 1997. Since 1997.

SCOTT G. WILLIAMS, *Associate Professor*. B.A. (Stephen F. Austin State University), 1977; M.A. (Universität Hamburg), 1989; Ph.D. (University of Texas at Austin), 1999. Since 2005.

ROBIN WRIGHT, *Instructor*. B.A. (Ohio State University), 1993; M.A. (Ohio State University), 1998. Since 2005.

### Philosophy

GREGG E. FRANZWA, *Professor*. B.S.C. (Santa Clara University), 1967; M.B.A. (University of California at Berkeley), 1969; M.A. (San Francisco State University), 1972; Ph.D. (University of Rochester), 1975. Since 1976.

RICHARD F. GALVIN, *Professor and Holder of the Betty S. Wright Chair in Applied Ethics*. B.A. (Macalester College), 1974; M.A. (University of California at Santa Barbara), 1980; Ph.D. (University of California at Santa Barbara), 1983. Since 1982.

BLAKE E. HESTIR, *Associate Professor*. B.A. (TCU), 1988; M.A. (Florida State University), 1996; Ph.D., (Florida State University), 1998. Since 1998.

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### Political Science

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### Religion

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JULIE O'NEIL, *Assistant Professor*. B.B.A. (UT - Austin), 1992; B.J. (Ibid.), 1992; M.A. (St. Mary's), 1997; Ph.D. (Utah), 2001. Since 2001.

WILLIAM T. SLATER, *Professor and Dean of the College*. B.A. (Tufts), 1972; M.A. (Stanford), 1973; Ph.D. (Ibid.), 1977. Since 2002.

MAGGIE B. THOMAS, *Associate Professor*. B.A. (Baylor), 1966; M.S. (Texas A&M), 1985; Ph.D. (Ibid.), 1988. Since 1991.

TOMMY G. THOMASON, *Professor and Director, Schieffer School of Journalism*. B.A. (Ouachita Baptist), 1970; M.A. (Texas A&M-Commerce), 1972; Ed.D. (Ibid.), 1984. Since 1984.

JOHN R. TISDALE, *Associate Professor*. B.S. (Lamar), 1983; M.A. (Ibid.), 1988; Ph.D. (North Texas), 1996. Since 2002.

JANICE WOOD, *Assistant Professor*. B.A. (Carson-Newman College), 1977; M.A. (South Carolina, Columbia), 1981; Ph.D. (Southern Illinois). Since 2004.

MIKE WOOD, *Instructor in Journalism*. B.S. (Texas Wesleyan), 1964; M.S. (TCU), 2002. Since 2002.

### Radio-Television-Film

RICHARD J. ALLEN, *Professor and Chair of the Department*. B.F.A. (New York), 1981; M.F.A. (Indiana), 1984. Since 1993.

RONALD ANDREW HASKETT, *Instructor of Radio-TV-Film*. B.S. (East Texas State), 1979; M.S. (TCU), 1982. Since 1980.

CHARLES J. LaMENDOLA, *Instructor in Radio-TV-Film and Studio/Video Production Supervisor*. B.S. (Arkansas State), 1981; M.S. (Ibid.), 1988. Since 1994.

KENNETH D. LOOMIS, *Assistant Professor*. B.B.A. (Wisconsin), 1975; M.S. (North Texas), 1991; Ph.D. (Wisconsin), 1994. Since 2005.

GREG MANSUR, *Instructor in Radio-TV-Film*. B.A. (Rhode Island College), 1991; M.F.A. (TCU), 2004. Since 2001.

JOAN M. MCGETTIGAN, *Associate Professor*. B.A. (Temple), 1981; M.A. (Penn State), 1985; Ph.D. (Ibid.), 1994. Since 1997.

JOEL TIMMER, *Assistant Professor*. B.S. (Miami), 1988; J.D. (California-Los Angeles), 1993; Ph.D. (Indiana), 2002. Since 2002.

DAVID E. WHILLOCK, *Professor and Associate Dean of the College*. B.A. (Hendrix), 1976; M.A. (Arkansas), 1979; Ph.D. (Missouri), 1986. Since 1991.

### Communication Studies

RALPH R. BEHNKE, *Professor*. B.A. (Missouri-Kansas City), 1959; M.S. (Wisconsin), 1963; Ph.D. (Kansas), 1966. Since 1974.

AMBER N. FINN, *Instructor*. B.A. (Texas Woman's), 1999; M.S. (TCU), 2002. Since 2005.

CARA JACOBS, *Instructor*. B.A. (Texas A & M), 2001; M.A. (Abilene Christian), 2003; M.S. (Ibid.), 2003. Since 2005.

PAUL E. KING, *Professor*. B.S. (Hardin-Simmons), 1978; M.S. (TCU), 1980; Ph.D. (North Texas), 1985. Since 1980.

WILLIAM G. POWERS, *Professor*. B.S. (Illinois State), 1970; M.S., (Ibid.), 1971; Ph.D. (Oklahoma), 1973. Since 1996.

CHRIS R. SAWYER, *Associate Professor and Chair of the Department*. B.A. (Houston Baptist), 1976; M.S. (TCU), 1980; Ph.D. (North Texas) 1992. Since 1999.

DAVID P. SCHRODT, *Assistant Professor*. A.S. (Trinity Valley CC), 1994; B.A. (UT - Arlington); 1997; M.A. (North Texas), 2000; Ph.D. (Nebraska - Lincoln), 2003. Since 2006

PAUL L. WITT, *Assistant Professor*. B.M. (Houston), 1970; M.M. (Ibid.), 1993; M.A. (North Texas), 1997; Ph.D. (Ibid), 2000. Since 2004.

MELISSA J. YOUNG, *Associate Professor*. B.A. (SUNY), 1991; M.A. (Ibid.), 1993; Ph.D. (Ibid.), 1996. Since 1995.

### School of Education

Samuel M. Deitz, Dean

Mary Patton, Associate Dean

Kay Stevens, Associate Dean and Director of Graduate Studies

J. Steven Hodnett, Director of Special Programs

Diana Woolsey, Director of Teacher Certification

Marilyn Tolbert, Director of Laboratory Schools

C. Dale Young II, Director of Field Experiences and Career Services

SUSAN E. ANDERSON, *Associate Professor*. B.S.Ed. (Virginia), 1983; M.Ed. (Ibid.), 1986; Ed.D. (Ibid.), 1992. Since 1992.

CATHY C. BLOCK, *Professor*. B.S. (Lamar), 1970; M.S. (North Texas), 1974; Ph.D. (Wisconsin-Madison), 1976. Since 1977.

VICTOR J. BOSCHINI, JR., *Professor and Chancellor*. B.A. (Mount Union), 1978; M.A. (Bowling Green), 1979; Ed.D. (Indiana University), 1989. Since 2003.

SAMUEL M. DEITZ, *Professor and Dean*. B.A.E. (Florida), 1966; M.A.E. (Ibid.), 1969; Ph.D. (Ibid.), 1971. Since 2000.

JUDITH GROULX, *Associate Professor*. B.A. (Mount Holyoke), 1970; M.S. (TCU), 1983; Ph.D. (Ibid.), 1986. Since 1987.

M. FRANCYNE HUCKABY, *Associate Professor*. B.A. (Austin), 1989; M.Ed. (TCU), 1996; Ph.D. (Texas A&M), 2005. Since 2004.

JAN LACINA, *Assistant Professor*. B.S. (Baylor), 1993; M.Ed. Texas Woman's), 1996; Ph.D. (Kansas), 1999. Since 2005.

JANET KELLY, *Associate Professor*. B.A. (Houston Baptist), 1969; M.A.T. (TCU), 1975; Ph.D. (North Texas), 1993. Since 1995.

ROBERT M. MANINGER, *Assistant Professor*. B.S.Ed. (Lubbock Christian College), 1983; M.Ed. (Tarleton State), 1994; Ed.D. (North Texas), 2003. Since 2004.

NANCY MEADOWS, *Associate Professor*. B.A. (Texas), 1972; M.Ed. (Ibid.), 1973; Ed.D. (Washington), 1988. Since 1991.

MARY M. PATTON, *Associate Professor*. B.S. (Texas), 1971; M.Ed. (Ibid.), 1973; Ph.D. (Ibid.), 1990. Since 1994.

DAN POWELL, *Associate Professor*, B.S.Ed. (TCU), 1974; M.Ed. (North Texas), 1977; Ph.D. (Ibid.), 1982. Since 2004.

THERESA M. PROSSER, *Assistant Professor*, B.A. (Fontbonne), 1973; M.Ed. (Missouri), 1977; Ed.D. (Southern Illinois), 1988. Since 2006.

SHERRIE REYNOLDS, *Professor*. B.S. (Arizona), 1964; M.S. (Southern Illinois), 1965; M.A. (Texas Woman's), 1976; Ph.D. (Ibid.), 1983. Since 1987.

DONAL M. SACKEN, *Professor*. B.A. (Texas), 1970; J.D. (Ibid.), 1973; Ph.D. (Georgia), 1977. Since 1991.

CECILIA SILVA, *Associate Professor*. B.A. (Ohio State), 1975; M.A. (California State-Los Angeles), 1982; Ph.D. (USC), 1990. Since 1995.

KATHERINE SMITH, *Assistant Professor*. B.S. (Tarleton State), 1984; M.Ed. (Ibid.), 1989; Ph.D. (Georgia State), 2000. Since 2005.

RANAE STETSON, *Associate Professor*, B.S. (Nevada-Las Vegas), 1982; M.Ed. (Ibid.), 1987; Ed.D. (Houston), 1991. Since 1996.

KAY B. STEVENS, *Associate Professor*, B.S. (North Texas), 1969; M.S. (Kentucky), 1979; Ed.D. (Ibid.), 1989. Since 2002.

KELLY L. STILLE, *Instructor* B.A. (Pitzer), 1986; M.A. (National), 1992; Ph.D. (California School of Professional Psychology), 1999. Since 2006.

ELIZABETH R. TAYLOR, *Associate Professor*, B.S. (Abilene Christian), 1975; M.A. (Sul Ross), 1979; Ph.D. (St. Mary's), 1993. Since 1998.

FRANK N. THOMAS, *Associate Professor*, B.S. (South Dakota), 1975; M.Div. (North American Baptist Seminary) 1980; Ph.D. (Texas Tech), 1988. Since 2005.

MOLLY WEINBURGH, *Associate Professor*. B.A. (Agnes Scott), 1974; M.A.T. (Emory), 1980; Ph.D. (Ibid.), 1993. Since 2002.

CYNTHIA WILLIAMS, *Instructor*. B.S. (Oklahoma State), 1990; M.Ed. (Arkansas), 1992. Since 2006.

C. DALE YOUNG II, *Adjunct Instructor, Director of Field Experiences and Career Services*. B.S. (TCU), 1966; M.Ed. (Ibid.), 1968. Since 1978.

#### *Starpoint and KinderFrogs Schools*

KRISTEN ADAMS, *Instructor*. B.A. (Trinity University), 1994; M.Ed. (TCU), 2003. Since 2003.

SHELLEY F. COCHRAN, *Instructor*. B.S.Ed.(TCU), 1976; M.Ed. (TWU), 1979. Since 2003.

ROBIN N. DAVIS, *Instructor*. B.F.A. (UTA), 1974; B.S.Ed. (TCU), 1976; M.Ed. (North Texas), 1979. Since 1984.

RANELLA FRANKLIN, *Instructor*. B.S.Ed. (UNT), 1976; M.Ed. (Ibid.), 1979. Since 2003

KIMBERLY PAYNE, *Assistant Director of Laboratory Schools*. B.S.Ed. (TCU), 1979; M.Ed (Ibid.), 1981. Since 1996.

MICHAEL PATTON, *Instructor*. B.A. (Texas-Austin), 1971; M.Ed. (Ibid.), 1973. Since 2004.

MADLINE KING THOMAS, *Instructor*. B.S.Ed. (TCU), 1976; M.Ed. (Texas Woman's), 1979. Since 1985.

MARILYN S. TOLBERT, *Director of Laboratory Schools*. B.S.Ed. (TCU), 1996. M.Ed. (Ibid.), 2000. Since 2003.

#### Upward Bound

J. STEVEN HODNETT, *Director of Special Programs*. B.S.E. (Southern Arkansas); 1982 M.Ed. (Ibid), Since 1995.

#### **College of Fine Arts**

Scott A. Sullivan, Dean

H. Joseph Butler, Associate Dean and Director of Graduate Studies

Andie Piehl, Assistant to the Dean

#### **Art and Art History**

BABBETTE BOHN, *Professor* (Art History). B.A. (Northwestern), 1972; M.A. (Boston U.), 1975; M.Phil. (Columbia), 1978; Ph.D. (Ibid.), 1982. Since 1988.

FRANCES COLPITT, *Professor and Holder of the Deedie Potter Rose Chair in Art History*. B.F.A. (Tulsa), 1974; M.A. (Ibid.), 1977; Ph.D. (Southern California), 1982. Since 2005.

DAVID CONN, *Professor* (Printmaking, Drawing, Design). B.F.A. (Maryland Inst.), 1967; M.F.A. (Oklahoma), 1969. Since 1969.

LORI BOORNAZIAN DIEL, *Assistant Professor* (Art History). B.A. (Emory), 1992; M.A. (Tulane), 1996, Ph.D. (Ibid), 2001. Since 2001.

LEWIS A. GLASER, *Professor* (Graphic Design). B.A. (Western Michigan), 1977; M.F.A. (Syracuse), 1988. Since 1987.

SHARON GOUWENS, *Assistant Art History Librarian* B.A. (TCU), 1972; M.A. (Southern Methodist), 2001. Since 1998.

LINDA DEE GUY, *Professor* (Printmaking, Drawing). B.A. (South Florida), 1974; M.F.A. (Maryland Inst.), 1976. Since 1976.

SUSAN HARRINGTON, *Associate Professor* (Drawing, Painting, Life Studies). B.F.A. (Maryland Institute College of

Art), 1972; M.A. (Purdue), 1977; M.F.A. (North Texas), 1984. Since 1988.

CHRIS POWELL, *Instructor* (Ceramics, Sculpture), B.F.A. (Abilene Christian), 1980; M.F.A. (Bradley), 1983. Since 1984.

EDITH JANE RILEY, *Art History Librarian*. B.F.A. (Stephen F. Austin), 1974; M.A. (Southern Methodist), 1983. Since 1983.

CAMERON SCHOEPP, *Associate Professor* (Sculpture), B.F.A. (Pacific Lutheran), 1984; M.F.A. (TCU), 1987. Since 2003.

PAT SLOAN, *Assistant Professor* (Graphic Design), B.F.A. (Stephens College), 1970; M.F.A. (North Texas), 1978. Since 2004.

LUTHER A. SMITH, JR., *Professor* (Photography). B.A. (Illinois, Urbana-Champaign), 1972; M.F.A. (Rhode Island School of Design), 1974. Since 1983.

SCOTT A. SULLIVAN, *Professor and Dean of the College of Fine Arts*. B.A. (John Carroll U.), 1969; M.A. (Case Western Reserve U.), 1972; Ph.D., (Case Western Reserve U.), 1978. Since 2000.

MARK EDWARD THISTLETHWAITE, *Professor and Holder in the Kay and Velma Kimbell Chair of Art History*. B.A. (California - Santa Barbara), 1970; M.A. (Ibid.), 1972; Ph.D. (Pennsylvania), 1977. Since 1977.

RONALD WATSON, *Professor* (Drawing and Painting) and *Chair of the Department*. B.F.A. (Nebraska), 1964; M.F.A. (Ibid.), 1967. Since 1982.

JAMES WOODSON, *Professor* (Painting, Drawing, Life Studies). B.F.A. (TCU), 1965; M.F.A. (Texas-Austin), 1967. Since 1974.

MARNIN YOUNG, *Assistant Professor* (Art History). B.A. (Berkeley), 1994; ABD (Ibid.), 2005. Since 2005.

### **Ballet and Modern Dance**

LI-CHOU CHENG, *Professor of Professional Practice and Ballet Master in Residence*. Former ballet master and soloist for the Beijing Central Ballet and principal teacher for the Boston Ballet. Since 1990.

ROMA FLOWERS, *Dance Lighting Designer and Instructor*. B.F.A. (Goodman School of Drama, DePaul University), 1983. Since 2005.

ELIZABETH GILLASPY, *Assistant Professor*. B.B.A. (Texas Tech), 1985. M.F.A. (TCU), 1990. Secondary Certification - Dance (TCU), 1995. Since 1990.

ANDREA HARRIS, *Assistant Professor*. B.F.A. (TCU), 1991; M.F.A. (Ibid.), 1997; PhD (University of Wisconsin-Madison), 2005.

SUSAN DOUGLAS ROBERTS, *Associate Professor*. B.A. (TCU), 1979; B.F.A. (Ibid.), 1980; M.F.A. (Illinois), 1983. Since 1984.

ELLEN PAGE SHELTON, *Associate Professor and Chair of the Department*. B.F.A. (TCU), 1971. M.F.A. (Ibid.), 1978. Since 1973.

### **Music**

SHEILA M. ALLEN, *Professor of Voice*. B.M. (Oberlin Conservatory), 1966; M.M. (Eastman School of Music, Rochester), 1967; D.M.A. (Ibid.), 1974. Since 1985.

J. DAVID BROCK, *Associate Professor of Voice*. B.A. (Abilene Christian University), 1974; M.M. (New England Conservatory of Music), 1978. Since 2002.

JON BURGESS, *Associate Professor of Trumpet*. B.M. (Illinois), 1978; M.M. (Kansas), 1980; D.M.A. (Arizona) 1988. Since 2000.

H. JOSEPH BUTLER, *Professor; University Organist; Associate Dean and Director of Graduate Studies*. B.A. (Bowdoin), 1976; M.M. (New England Conservatory), 1978; D.M.A. (Eastman), 1985. Since 1996.

JESÚS CASTRO-BALBI, *Assistant Professor of Cello*. B.M. (Conservatoire National Supérieur, Lyon, France) 1995; Artist Diploma (Indiana University - Bloomington), 1997; M.M. (Yale University (School of Music)), 1999; D.M.A. (The Juilliard School), 2004. Since 2003.

PAUL CÔRTESE, *Assistant to the Director*. B.M. (Syracuse University), 1989; M.M. (New England Conservatory), 1992. Since 2005.

RICHARD ESTES, *Associate Professor and Director of Opera Studio*. B.M. (Stetson), 1970; M.M. (Catholic U.), 1974. Since 1992.

JOSÉ FEGHALI, *Professor of Professional Practice in Music and Artist-in-Residence*. Graduate of the Royal Academy of Music in London; Grand Prize Winner, Van Cliburn International Piano Competition, 1985. Since 1990.

BLAISE J. FERRANDINO, *Associate Professor of Music Theory and Composition*. B.M. (Ithaca College), 1980; M.M. (Syracuse), 1982; D.M.A. (Hartford), 1990. Since 1990.

BOBBY R. FRANCIS, *Associate Professor of Music and Director of Bands*. B.M.E. (Commerce), 1981; M.M.E. (Commerce), 1989. Since 2000.

GERALD R. GABEL, *Associate Professor of Music Theory and Composition*. B.M. (Northern Iowa), 1974; M.A. (California - San Diego), 1977; Ph.D. (Ibid.), 1984. Since 1987.

MISHA GALAGANOV, *Associate Professor of Viola*. B.M. (Jerusalem), 1994; Artist Certificate (SMU), 1996; M.M. (Rice), 1998; D.M.A. (Rice), 2003. Since 2000.

ROBERT GARWELL, *Professor of Music*. B.F.A. (Ohio U.), 1965; M.F.A. (Ibid.), 1967; D.M.A. (Oklahoma), 1977. Since 1989.

ANN M. GIPSON, *Associate Professor of Professional Practice in Music and Director of Piano Pedagogy*. B.M. (Eastern Illinois), 1982; M.M. (Oklahoma), 1985; Ph.D. (Oklahoma), 1992. Since 2005.

RICHARD C. GIPSON, *Director and Professor of Music*. A.A. (Del Mar College), 1969; B.M. (University of Texas at Austin), 1971; M.M. (University of Texas at Austin), 1973; D.Ed/Music Education (Pennsylvania State University), 1978. Since 2002.

JOHN READ GIORDANO, *Associate Professor*. B.M.E. (TCU), 1960; M.M. (Ibid.), 1962; Diploma Superieure (Conservatoire Royal de Musique, Brussels), 1965. Emeritus Musical Director and Conductor of the Fort Worth Symphony Orchestra. Since 1973.

GERMÁN AUGUSTO GUTIÉRREZ, *Associate Professor/Director of Orchestral Studies and Director of the Center for Latin American Music*. Maestro en Musica (Tolima Conservatory), 1978; M.M. (Illinois), 1991; D.A. (University of Northern Colorado), 1997. Since 1996.

SAN-KY KIM, *Assistant Professor of Voice*. B.A. (Australian National University, Australia), 1988; B.M. (Canberra Institute of the Arts, Australia), 1988; M.M. (Curtis Institute of Music, Philadelphia, PA), 1991; Professional Studies Diploma (Temple University, Philadelphia, PA), 1992; D.M.A. (Ibid.), 2004. Since 2005.

JENNIFER L. KING, *Assistant Professor of Musicology*. B.M. (Illinois Wesleyan), 1995; M.M. (Florida State), 1998; Ph.D. (Indiana), 2006. Since 2006.

LEANNE HEDGES KIRKHAM, *Director of Music Preparatory Program and Instructor in Piano Pedagogy*. B.M. (TCU), 1978; M.M. (Ibid.), 1981. Since 1981.

HAROLD MARTINA, *Professor of Professional Practice in Music and Pianist-in-Residence* Institute of Fine Arts (Medellin, Columbia); Academy of Music (Vienna, Austria). Since 1999.

JAMES MCNAIR, *Assistant Professor of Professional Practice in Music and Assistant Director of Bands, Coordinator of Instrumental Music Education*. B.M.E. (East Texas State), 1991; M.M. (Texas A&M-Commerce), 2001. Since 2005.

MICHAEL MECKNA, *Professor of Musicology*. B.A. (California State), 1978; Ph.D. (California), 1984. Since 1990.

SHERI NEILL, *Associate Professor of Music Education*. B.M.E. (Texas Tech), 1970; M.Ed. (Stephen F. Austin University), 1983; Ph.D. (University of Missouri-Kansas City), 1998. Since 2001.

JOHN OWINGS, *Herndon Professor of Piano*. B.M. (UT-Austin), 1965; M.S. (Juilliard), 1970. Since 1990.

JANET W. PUMMILL, *Associate Professor of Professional Practice in Music and Coordinator of Accompanying*. B.M. (North Texas), 1964; M.M. (Illinois), 1968. Since 1992.

RONALD L. SHIREY, *Professor of Choral Music*. B.M. (Tulsa), 1955; M.M. (Ibid.), 1961. Since 1976.

JUDITH A. SOLOMON, *Associate Professor of Piano*. B.A. (Rutgers), 1965; M. Mus. (Yale), 1968. Since 1968.

CURT THOMPSON, *Associate Professor of Violin*. B.M. (Indiana), 1992; M.M. (Indiana), 1994; D.M.A. (Rice), 2003. Since 1997.

TAMÁS UNGÁR, *Professor of Piano*. A.Mus.A., L.Mus.A. (Sydney Conservatorium, Australia), 1965; D.M. (Indiana), 1983. Since 1978.

BRIAN WEST, *Associate Professor of Percussion*. B.M.E. (North Texas), 1992; M.A. (Indiana U of Pennsylvania), 1994; D.M.A. (Oklahoma), 2003. Since 2001.

GARY WHITMAN, *Professor of Woodwinds*. B.M.E. (North Texas), 1976; M.M.E. (Ibid.), 1978. Since 1989.

CURTIS W. WILSON, *Professor of Music/Director of Jazz Studies*. B.M.E. (TCU), 1963; M.M. (Ibid.), 1966. Since 1976.

BRIAN YOUNGBLOOD, *Assistant Professor of Professional Practice in Music and Associate Director of Bands*. B.M.E. (Abilene Christian) 1987; M.M. (East Texas State), 1992. Since 1999.

## Theatre

MICHELE ALFORD, *Costume Studio Supervisor*. B.F.A. (University of North Texas), 1995. Since 2002.

CONNIE de VEER, *Assistant Professor*. B.F.A. (TCU), 1979; M.F.A. (University of Texas-Austin), 1988. Since 2006.

JENNIFER ENGLER, *Associate Professor*. B.F.A. (Emporia State University), 1995; M.F.A. (Michigan State University), 1998. Since 2003.

LaLONNIE LEHMAN, *Associate Professor*. B.A. (TCU), 1972; M.A. (Ibid.), 1975. Since 1972.

NANCY MYERS McCAULEY, *Associate Professor*. B.S. (Illinois State University), 1966; M.F.A. (University of

Wisconsin-Madison), 1971. Since 1979.

HARRY PARKER, *Professor and Chair of the Department*. B.F.A. (TCU), 1980; M.A. (University of Kansas), 1982; Ph.D. (Ibid.), 1992. Since 2003.

ALAN SHORTER, *Assistant Professor*. B.A. (Indiana University), 1978; M.F.A. (Minnesota State University-Mankato), 2001. Since 2006.

MICHAEL SKINNER, *Assistant Professor*. B.A. (West Texas State University) 1990; M.F.A. (University of Oklahoma), 1993. Since 1993.

JUDD VERMILLION, *Technical Director*. B.A. (University of Texas of the Permian Basin) 1996; M.F.A. (Texas Tech University), 2002. Since 2003.

THOMAS J. WALSH, *Associate Professor*. B.A. (San Diego State University), 1979; M.F.A. (University of Texas-Austin), 1982; Ph.D. (University of Texas-Austin), 1996. Since 1999.

PHILIP ZIELKE, *Scenic Studio Supervisor*. B.F.A. (TCU), 2006. Since 2006.

### **Harris College of Nursing and Health Sciences**

Paulette Burns, Dean

Marinda Allender, Assistant Dean

Sharon Hudson, Assistant to the Dean

Sybil White, Assistant to the Dean for Graduate Studies

### **Communication Sciences and Disorders**

KAREN COLSON, *Lecturer*. B.S. (Middle Tennessee State Univ), 1978; M.S. (Univ of Tennessee), 1979; Ph.D. (Univ of Iowa), 1988. Since 2001.

LYNN K. FLAHITE, *Instructor*. B.S. (Marquette), 1977; M.S. (Marquette), 1978. Since 1991.

TERESA DENNETT GONZALEZ, *Lecturer*. B.S. (Texas Woman's Univ), 1976; M.S. (Texas Woman's Univ), 1985. Since 1992.

JOAN S. KLECAN-AKER, *Professor*. B.S. (Middle Tennessee), 1968; M.A. (Memphis State), 1971; Ph.D. (Florida State), 1982. Since 1994.

JANET ROYER LANZA, *Instructor*. B.S. (TCU), 1975; M.S. (TCU), 1976. Since 1989.

JEAN P. MATNEY, *Adjunct*. B.S. (Univ of North Texas), 1952; M.A. (Texas Woman's Univ), 1977. Since 1990.

HELEN A. McCAFFREY MORRISON, *Associate Professor*. B.A. (Trinity Univ), 1974; M.S. (Oklahoma), 1976; Ph.D. (UT Austin), 1992. Since 1995.

MARIA MUÑOZ, *Associate Professor*. B.A. (Univ of California, Santa Barbara), 1988; M.A. (UT Austin), 1991; Ph.D. (UT Austin), 2001. Since 2006.

IRMGARD PAYNE, *Adjunct*. B.A. (UT Arlington), 1986; M.S. (TCU), 1994. Since 2003.

SHARON B. RAPP, *Adjunct*. B.S. (Colorado State Univ), 1980; M.S. (Colorado State Univ), 1982. Since 1995.

WILLIAM J. RYAN, *Associate Professor and Chair of Department of Communication Sciences and Disorders*. B.S. (SUNY), 1965; M.S. (Purdue), 1969; Ph.D. (Purdue), 1971. Since 1996.

CAROL H. SYMON, *Instructor*. B.S. (Purdue), 1971; M.S. (Purdue) 1972. Since 2000.

AMY VANN, *Adjunct*. B.S. (TCU), 1991; M.S. (TCU), 1992. Since 2001.

JENNIFER BARBER WATSON, *Professor*. B.S. (Northern Arizona), 1976; M.A. (Northwestern), 1979; Ph.D. (Northwestern), 1981. Since 1982.

ROSALYNA YARBROUGH, *Instructor*. B.S. (TCU); M.S. (TCU), 1996. Since 2000.

BARBARA YOUNT, *Adjunct*. B.S. (Dallas Baptist Univ), 1975; M.A. (Texas Woman's Univ), 1986. Since 2005.

### **Kinesiology**

T. ROSS BAILEY, *Instructor*. B.S. (TCU), 1976; M.Ed. (TCU), 1977. Since 1977.

STEPHEN L. BROTHERTON, *Adjunct Assistant Professor*. B.S. (TCU), 1978; M.D. (UT Southwestern), 1982. Since 1998.

DAVID GABLE, *Instructor*. B.S. (Univ Nebraska, Lincoln), 1993; M.S. (Ohio Univ), 1994. Since 2003.

CHRISTOPHER P. HALL, *Instructor*. B.S. (TCU), 1983; M.L.A. (TCU), 1989. Since 1984.

SAM HARALDSON, *Adjunct Clinical Professor*. B.S. (Univ of California, Irvine), 1997; M.D. (Irvine Med. School), 2001. Since 2005.

MATTHEW S. JOHNSON, *Assistant Professor*. B.A. (Notre Dame), 1993; M.A. (Univ of North Carolina, Chapel Hill), 1996; Ph.D. (Univ of Tennessee, Knoxville), 1998. Since 2001.



JOSEPH C. MILNE, *Adjunct Assistant Professor*. B.S. (BYU), 1983; M.D. (Baylor), 1987. Since 1998.

JOEL B. MITCHELL, *Professor and Chair of Department of Kinesiology*. B.A. (Lewis and Clark), 1978; M.A. (Maryland), 1983; Ph.D. (Ball State), 1988. Since 1988.

MELODY D. PHILLIPS, *Assistant Professor*. B.S. (UT Arlington), 1994; M.S. (TCU), 1996; Ph.D. (Purdue), 2001. Since 2004.

CAROL J. POPE, *Associate Professor*. B.S.Ed. (UT Austin), 1975; M.A. (Texas Woman's Univ), 1978; Ph.D. (Texas Woman's Univ), 1985. Since 1989.

DEBORAH J. RHEA, *Associate Professor*. B.S. (UT Arlington), 1980; M.Ed. (Houston) 1990; Ed.D. (Houston), 1995. Since 1999.

MEENA SHAH, *Associate Professor*. B.Sc. (Robert Gordon's, Aberdeen, Scotland), 1982; Ph.D. (London Univ, London), 1986. Since 2001.

DAN L. SOUTHARD, *Professor*. B.A. (Buena Vista), 1969; M.A. (Iowa), 1977; Ph.D. (Iowa), 1980. Since 1980.

DAVID E. UPTON, *Assistant Professor*. A.S. (Berkshire Community College), 1973; B.S. (Univ of Tennessee), 1975; M.S. (Univ of Massachusetts), 1978; Ph.D. (Univ of Massachusetts), 1980. Since 2006.

SEAN WILLEFORD, *Clinical Assistant Professor and Program Director, Athletic Training Education*. B.A. (Univ of the Pacific), 1994; M.S. (Univ of Arizona), 1996. Since 2005.

### **Nursing**

LAVONNE ADAMS, *Assistant Professor*. A.S. (Kettering College of Medical Arts), 1985; B.S.N. (Wright State Univ), 1988; M.S. (Andrews Univ), 1992; Ph.D. (Andrews Univ), 2003. Since 2004.

PHYLLIS J. ALLEN, *Lecturer*. B.S.N. (TCU), 1965; M.S. (Texas Woman's Univ), 1993. Since 2004.

MARINDA E. ALLENDER, *Instructor and Assistant Dean of Harris College*. B.S.N. (Virginia), 1978; M.S.N. (UT Arlington), 1985. Certified Pediatric Nurse. Since 1989.

KATHLEEN BALDWIN, *Associate Professor and Director of Harris College, Nursing Graduate Studies*. Diploma (West Pennsylvania Hospital School of Nursing, Pittsburgh), 1968; B.S. (Texas Woman's Univ, Dallas), 1981; M.S. (Texas Woman's Univ, Dallas), 1984; Ph.D. (Texas Woman's Univ, Dallas), 1988. Gerontological Nurse Practitioner; Adult Nurse Practitioner; Adult Medical-Surgical Clinical Nurse Specialist. Since 1999.

DONELLE M. BARNES, *Associate Professor*. A.A. (Chabot Community College), 1976; B.S.N. (California State Univ, Los Angeles), 1979; M.S.N. (Indiana Wesleyan Univ), 1985; Ph.D. (Univ of California, San Francisco), 1996. Since 2002.

JIMMIE COMPTON BORUM, *Lecturer*. B.S.N. (Texas Woman's Univ), 1994; M.S. (Texas Woman's Univ), 1997. Since 2002.

PATRICIA J. BRADLEY, *Associate Professor*. Diploma (Butterworth Hospital, MI), 1974; B.S. (Ferris State Univ, MI), 1977; M.S.N. (Wayne State Univ, MI), 1981; D.N.S. (Indiana Univ), 1993. Since 1991.

PAULETTE BURNS, *Associate Professor and Dean of Harris College of Nursing and Health Sciences*. B.S.N. (Univ of Maryland), 1971; M.S. (Univ of Oklahoma), 1980; Ph.D. (Texas Woman's Univ), 1989. Since 2001.

CAROLYN SPENCE CAGLE, *Associate Professor*. B.S.N. (Mankato State), 1972; M.S. (Northern Illinois), 1976; Ph.D. (Texas Woman's Univ), 1983. Since 1978.

SHARON CANCLINI, *Lecturer*. A.S. (College of Alameda, CA), 1978; Diploma (Samuel Merritt Hospital, Oakland, CA), 1979; B.S.N. (Univ of Texas Health Science Center, San Antonio), 1982; M.S. (Wright State Univ, School of Nursing, Dayton, OH), 1987. Since 2005.

DENNIS CHEEK, *Abell-Hanger Professor of Gerontological Nursing*. A.S. (Yuba College), 1979; B.S.N. (California State Univ, Fresno), 1982; M.S. (Univ of California), 1988; Ph.D. (Univ of Nevada), 1996. Since 2003.

LINDA CURRY, *Professor*. A.A. (Florida), 1963; B.S.N. (Florida), 1965; M.N. (Florida), 1966; Ph.D. (North Texas State Univ), 1984. Since 1976.

PAMELA JEAN FRABLE, *Associate Professor*. A.B. (Univ of Chicago), 1976; N.D. (Case Western Reserve Univ), 1982. Since 2000.

LYNETTE HARLESS, *Lecturer*. B.S.N. (UT El Paso), 1982; M.S. (Texas Woman's Univ), 1992. Since 2006.

LINDA HARRINGTON, *Associate Professor*. B.S.N. (Univ of Texas Health Science Center, San Antonio), 1981; M.S.N. (UT Arlington), 1984; Ph.D. (Texas Woman's Univ), 1987. Since 2002.

DIANE ACKALL HAWLEY, *Lecturer*. B.S.N. (TCU), 1981; M.S. (Texas Woman's Univ), 1988; Ph.D. (New Mexico State Univ), 1998. Clinical Nurse Specialist in Medical-Surgical Nursing; Critical Care Clinical Nurse Specialist. Since 1998.

TERRI S. JONES, *Lecturer*. Diploma (Wilson School of Nursing), 1970; Residency in Nurse Anesthesia (Wilford Hall USAF Medical Center), 1976; B.S.N. (Univ of New York), 1986; M.S.N. (Case Western Reserve Univ), 1994. Since 2004.

RHONDA KEEN, *W. F. "Tex" and Pauline Curry Rankin Professor of Nursing*. B.S.N. (TCU), 1978; M.N.Sc. (Arkansas), 1981; Ph.D. (Texas Woman's Univ), 1985. Since 1982.

SUZY LOCKWOOD, *Assistant Professor*. B.S.N. (TCU), 1983; M.S.N. (UT Arlington), 1994; Ph.D. (UT Arlington), 2001. Since 1997.

LINDA L. MARTIN, *Lecturer*. B.S.N. (UT Arlington), 1980; M.S.N. (UT Arlington), 1997. Family Nurse Practitioner. Since 2001.

DEBRA MCLACHLAN, *Assistant Professor*. Diploma (Quincy City Hospital School of Nursing), 1975; B.S.N. (Univ of New Hampshire), 1980; M.S.N. (Boston College), 1984; Postgraduate Diploma in Health Education (King's College London), 1994; Ph.D. (King's College London), 2003. Since 1997.

R. LEA MONTGOMERY, *Instructor*. A.D.N. (Rochester State Junior College), 1973; B.S.N. (Winona State Univ, Winona, MN), 1979; M.S. (Texas Woman's Univ), 1983. Since 2005.

NANCY MOULTON, *Lecturer*. A.D.N. (Angelo State Univ), 1991; B.S.N. (Angelo State Univ), 1993; M.S. (Texas Woman's Univ), 1996. Since 2001.

PATRICIA NEWCOMB, *Assistant Professor*. B.A. (Univ of Dallas), 1977; B.S.N. (TCU), 1983; M.S.N. (UT Arlington), 1989; Ph.D. (UT Arlington), 2004. Pediatric Nurse Practitioner. Since 2001.

LINDA S. NIEBES, *Lecturer*. Diploma (St. Luke's Professional School of Nursing, IA), 1983; B.S.N. (Coe College, IA), 1984; M.Ed. (Boston Univ), 1991; M.S. (Ohio State Univ), 1995. Since 2004.

KRIS RIDDLESPEGER, *Lecturer*. B.E.S. (Univ of Missouri-Columbia), 1980; B.S.N. (TCU), 1985; M.S. (Texas Woman's Univ), 1989; Ph.D. (Texas Woman's Univ), 2000. Clinical Nurse Specialist Maternal Child. Since 1995.

DEBRA SCHMIDT, *Lecturer*. Diploma (Methodist Hospital School of Nursing, Lubbock, TX), 1976; B.S.N. (West Texas A&M Univ), 1980; M.S.N. (Univ of Texas, Arlington), 1991. Since 2003.

MELISSA McINTIRE SHERROD, *Assistant Professor*. B.A. (UT), 1975; B.S.N. (UT Health Science Center, San Antonio), 1977; M.S.N. (UT Health Science Center, San Antonio), 1980; Ph.D. (Texas Woman's Univ), 1997. Since 2004.

DONNA SCOTT TILLEY, *Associate Professor*. B.S.N. (Texas Tech Univ), 1991; M.S.N. (Texas Tech Univ), 1997; Ph.D. (Univ of Texas Health Science Center, San Antonio), 2002. Since 2006.

CHARLES ALAN WALKER, *Associate Professor*. B.S. (TCU), 1977; B.S.N. (TCU), 1983; M.S.N. (UT Arlington), 1989; Ph.D. (Texas Woman's Univ), 2000. Since 2001.

MARY BETH WALKER, *Director of the Learning Center*. B.S.N. (TCU), 1980; M.S. (Texas Woman's Univ), 1995. Since 1996.

SUSAN WEEKS, *Instructor*. B.S.N. (William Jewell College), 1983; M.S. (Texas Woman's Univ), 1986. Clinical Nurse Specialist in Psych-Mental Health Nursing. Since 1994.

JO NELL WELLS, *Associate Professor*. B.S.N. (Univ of Central Arkansas), 1974; M.S.N. (Wichita State Univ), 1981; Ph.D. (Texas Woman's Univ), 1998. Since 1998.

SUSAN WILSON, *Associate Professor*. B.S.N. (UTMB, Galveston), 1967; M.N. (Washington), 1970; Ph.D. (Texas A&M), 1985. Since 1988.

### Social Work

HARRIETT COHEN, *Assistant Professor*. B.A. (Univ of Georgia), 1973; M.S.W. (Univ of Georgia), 1975; Ph.D. (Univ of Georgia), 2001. Since 2005.

TRACY J. DIETZ, *Associate Professor*. B.S. (Wisconsin-Platteville), 1973; M.S.S.W. (Wisconsin-Madison), 1986; Ph.D. (Wisconsin-Madison), 1993. Since 1992.

DAVID A. JENKINS, *Associate Professor*. B.S. (Louisiana State), 1983; M.S.W. (Louisiana State), 1988; Ph.D. (Florida State), 1992. Since 1991.

LINDA S. MOORE, *Professor and Chair of Department of Social Work*. B.A. (Eastern Col), 1969; M.S.W. (Virginia Commonwealth), 1975; Ph.D. (Texas Woman's Univ), 1994. Since 1977.

### College of Science and Engineering

Michael D. McCracken, Dean  
Kenneth M. Morgan, Associate Dean  
C. Magnus L. Rittby, Associate Dean and  
Director of Bachelor of General Studies Program  
Armida M. Guzman, Assistant to the Dean

### Biology

GIRIDHAR R. AKKARAJU, *Assistant Professor*. B.S., Biochemistry, University of Bombay, Bombay, India, 1985. Ph.D., Biochemistry, University of Pittsburgh School of Medicine, 1997. Since 2002.

WAYNE J. BARCELLONA, *Associate Professor*. A.B. (Southern California), 1962; M.S. (Ibid.), 1965; Ph.D. (Ibid.), 1970. Since 1973.

BLOOM, MARK, *Instructor*. B.S. (Dallas Baptist), 1994, M.S. (Baylor), 1997. Since 2003.

JOSEPH C. BRITTON, *Professor*. B.A. (TCU), 1963; M.A. (Ibid.), 1965; Ph.D. (George Washington), 1970. Since

1971.

ERNEST F. COUCH, *Associate Professor*. B.S. (Southern Methodist), 1959; M.A. (North Texas), 1962; Ph.D. (Tulane), 1967. Since 1967.

RAY W. DRENNER, *Professor and Chair of the Department*. B.A. (Kansas), 1972; Ph.D. (Ibid.), 1977. Since 1977.

GARY W. FERGUSON, *Professor*. B.S. (Tulane), 1963; M.S. (Texas Tech), 1965; Ph.D. (Michigan), 1969. Since 1974.

PHILIP S. HARTMAN, *Professor and Chair of The Health Professions Advisory Committee*. B.S. (Iowa State), 1975; Ph.D. (Missouri), 1979. Since 1981.

JOHN D. HORNER, *Professor*. B.S. (Louisiana State), 1979; M.S. (New Mexico), 1983; Ph.D. (Ibid.), 1987. Since 1990.

GAIL I. JONES, *Instructor*. B.A. (Radford U.), 1971; M.S. (TCU), 1979; Ph.D. (North Texas), 1992. Since 1997.

GLENN C. KROH, *Associate Professor*. Assoc. Degree (Pennsylvania State), 1962; B.S. (Ibid.), 1966; M.S. (Ibid.), 1970; Ph.D. (Michigan State), 1975. Since 1975.

MICHAEL D. McCracken, *Associate Professor and Dean of the College of Science and Engineering*. B.S. Ed. (Texas Tech), 1963; M.S. (Ibid.), 1965; Ph.D. (Indiana), 1969. Since 1971.

MISAMORE, MIKE, *Assistant Professor*. B.S. (Wisconsin), 1989; M.S. (Charlestons, S.C.), 1993; Ph.D. (Louisiana State), 1998. Since 2003.

LEO W. NEWLAND, *Professor*. B.S. (Texas A&M), 1964; M.S. (Wisconsin), 1965; Ph.D. (Ibid.), 1968. Since 1969.

ANDREW PAQUET, JR., *Associate Professor*. B.S. (New Mexico), 1967; M.S. (Ibid.), 1970; Ph.D. (Arizona), 1974. Since 1975.

## Chemistry

ONOFRIO ANNUNZIATA, *Assistant Professor*. M.S. (University of Naples), 1997; (TCU), 2001. Since 2004.

JOHN G. ALBRIGHT, *Professor Emeritus*. B.A. (Wichita State), 1956; Ph.D. (Wisconsin), 1962. Since 1966.

JOSEPH A. BOBICH, *Professor*. B.S. (Michigan), 1965; Ph.D. (UCLA), 1971. Since 1973.

JEFFERY L. COFFER, *Professor and Chair of the Department*. B.S. (Wofford), 1982; M.S. (Wisconsin-Milwaukee), 1985; Ph.D. (Ibid.), 1987. Since 1990.

SERGEI V. DZYUBA, *Assistant Professor*. Diploma in Chemistry (Odessa State University), 1998; Ph.D. (Texas Texh), 2002. Since 2006.

TRACY A. HANNA, *Associate Professor*. B.A. (Brown), 1988; Ph.D. (California-Berkeley), 1994. Since 1998.

DALE A. HUCKABY, *Professor*. B.S. (Louisiana State), 1966; Ph.D. (Rice), 1969. Since 1969.

HENRY C. KELLY, *Emeritus Professor*. B.S. (Bates College), 1951; Ph.D. (Brown), 1962. Since 1964.

DAVID E. MINTER, *Professor*. B.S. (Stephen F. Austin), 1968; M.S. (Ibid.), 1970; Ph.D. (Texas-Austin), 1974. Since 1980.

JEAN-LUC G. MONTCHAMP, *Associate Professor*. Diploma of Engineering in Chemistry (School of Industrial Chemistry in Lyon, France), 1989; Ph.D. (Purdue), 1992. Since 1998.

ROBERT H. NEILSON, *Professor*. B.S. (Carnegie-Mellon), 1969; Ph.D. (Duke), 1973. Since 1978.

MANFRED G. REINECKE, *Emeritus Professor*. B.S. (Wisconsin), 1956; Ph.D. (California-Berkeley), 1960. Since 1964.

ANNE RICHARDS, *Assistant Professor*. B.S. (Swansea University), 1998; Ph.D. (Cardiff University), 2001. Since 2004.

WILLIAM H. WATSON, JR. *Emeritus Professor*. B.A. (Rice), 1953; Ph.D. (Ibid.), 1958. Since 1957.

## Computer Science

LISA J. BURNELL, *Associate Professor*. B.A. (Texas-Arlington), 1980; M.S. (Ibid.) 1990; Ph.D. (Ibid), 1995, Since 2001.

JAMES R. COMER, *Associate Professor*. B.S. (Texas-Arlington), 1971; M.S. (Ibid.), 1972; Ph.D. (Texas A&M), 1979. Since 1981.

BILLY J. FARMER, *Instructor*. B.S. (Howard Payne), 1979; M.S. (E. Texas State), 1995. Since 2002.

CHARLES J. HANNON, *Assistant Professor*. B.A. (Texas A&M), 1979; M.S. (Texas-Arlington), 1994; Ph.D. (Ibid), 2000. Since 2001.

BONNIE E. MELHART, *Associate Professor and Associate Provost for Academic Affairs*. B.A. (Wright State), 1972; M.S. (Southern Illinois), 1974; M.S. (California-Irvine), 1988; Ph.D. (Ibid.), 1990. Since 1990.

C. THOMAS NUTE, *Associate Professor*. B.A. (California-San Diego), 1968; M.S. (Texas A&M), 1970; Ph.D. (Ibid.), 1977. Since 1981.

L. DONNELL PAYNE, *Associate Professor*. B.S. (Sam Houston), 1973; M.S. (Ibid.), 1976; Ph.D. (Texas-Arlington), 1988. Since 1988.

ANTONIO SANCHEZ-AGUILAR, *Associate Professor*. B.S. (Universidad Iberoamericana), 1975; M.S. (The George Washington University), 1976; D.Sc. (Ibid), 1983. Since 2005.

J. RICHARD RINEWALT, *Associate Professor and Chair of the Department*. B.S.E.E. (Texas-Arlington), 1969; M.S.E.E. (Ibid.), 1971; Ph.D. (Illinois), 1976. Professional Engineer-Texas, 1982. Since 1986.

### Engineering

BILL M. DIONG, *Associate Professor*. B.S. (University of Illinois at Urbana-Champaign), 1986; M.S. (Ibid), 1988; Ph.D. (Ibid), 1992. Since 2005.

ROBERT R. BITTLE, *Associate Professor*. B.S. (Oklahoma State), 1980; M.S. (Purdue), 1983; Ph.D. (Iowa State), 1994. Since 1994. Professional Engineer-Texas.

BECKY BELLATTI BITTLE, *Instructor*. B.S. (Oklahoma State University), 1980; M.S. (Purdue), 1993; Ph.D. (Oklahoma State University) 1994. Since 2004.

EDWARD S. KOLESAR, *Professor and Holder of the W.A. "Tex" Moncrief Jr. Chair of Engineering*. B.S. (Akron), 1973; M.S. (Air Force Institute of Technology), 1978; Ph.D. (Texas-Austin), 1985. Professional Engineer-Texas. Since 1993.

TRISTAN J. TAYAG, *Associate Professor*. B.S.E.E. (Johns Hopkins), 1986; M.S.E.E. (Ibid.); 1987; Ph.D. (Virginia), 1991. Since 1997.

PATRICK L. WALTER, *Senior Design Lecturer*. B.S. (Penn State), 1965; M.S. (New Mexico), 1967; Ph.D. (Arizona State), 1978. Professional Engineer-New Mexico. Since 1995.

R. STEPHEN WEIS, *Professor*. B.S.E.E. (U. S. Naval Academy), 1979; M.S.E.E. (Georgia Tech), 1984; Ph.D. (Ibid.), 1987. Since 1992. Professional Engineer-Texas.

WALTON E. WILLIAMSON, JR. *Professor and Chair of the Department*. B.S.M.E. (Stanford), 1966; M.S.A.E. (Texas-Austin), 1967; Ph.D. (Ibid.), 1970. Since 1999.

### Geology

HELGE ALSLEBEN, *Assistant Professor*. B.S. (Hamburg), 1996; M.S. (San Jose State University), 2000; Ph.D. (University of Southern California), 2005. Since 2005.

JOHN A. BREYER, *Professor*. B.S. (Cincinnati), 1970; Ph.D. (Nebraska), 1974. Since 1984.

ARTHUR B. BUSBEY, *Associate Professor*. B.S. (Texas-Austin), 1974; M.A. (Ibid.), 1977; Ph.D. (Chicago), 1982. Since 1985.

R. NOWELL DONOVAN, *Provost and Vice Chancellor for Academic Affairs, Charles B. Moncrief Professor*. B.Sc. (Newcastle), 1966; Ph.D. (Ibid.), 1972. Since 1986.

RICHARD E. HANSON, *Herndon Professor and Chair of the Department*. B.S. (Oklahoma State), 1975; M.S. (Ibid.), 1977; Ph.D. (Columbia), 1983. Since 1988.

KEN M. MORGAN, *Professor, Director of Center for GIS and Remote Sensing, and Associate Dean of the College of Science and Engineering*. B.S. (Indiana), 1973; M.S. (Arizona State), 1976; Ph.D. (Wisconsin), 1978. Since 1978.

RANJAN S. MUTTIAH, *Assistant Professor*. B.S. (Georgia), 1987; M.S. (Purdue), 1989; Ph.D. (Ibid), 1992. Since 2004.

LEO W. NEWLAND, *Professor*. B.S. (Texas A&M), 1964; M.S. (Wisconsin), 1966; Ph.D. (Ibid.), 1969. Since 1969.

MICHAEL C. SLATTERY, *Professor and Director of the TCU Institute of Environmental Studies*. B.A. (University of the Witwatersrand), 1988; M.S. (U. of Toronto), 1990; Ph.D. (Oxford), 1994. Since 1998.

### Mathematics

DAVID F. ADDIS, *Associate Professor*. B.S. (Brown), 1964; M.S. (Rutgers), 1966; Ph.D. (Ibid.), 1970. Since 1970.

VICTOR A. BELFI, *Associate Professor*. B.A. (Rice), 1965; Ph.D. (Ibid.), 1969. Since 1969.

KATHY COLEMAN, *Instructor*. B.A. Texas Tech University, 1978; M.A. (Ibid.), 1971, 1989. Since 2005.

H. G. DOLLAR, *Instructor*. B.S. (Texas-Arlington), 1966; M.A. (Ibid.), 1970. Since 2000.

ROBERT S. DORAN, *John William and Helen Stubbs Potter Professor and Chair of the Department*. B.A. (Iowa), 1962; M.A. (Ibid.), 1964; M.S. (U. of Washington), 1967; Ph.D. (Ibid.), 1968. Since 1969.

ZE-LI DOU, *Associate Professor*. B.A. (Queens College, CUNY), 1987; Ph.D. (Princeton), 1993. Since 1994.

PENG FAN, *Associate Professor*. B.A. (National Taiwan Normal U., Taiwan), 1970; M.A. (National Tsing-Hua U.,

Taiwan), 1972; Ph.D. (Indiana), 1980. Since 1983.

GREG FRIEDMAN, *Assistant Professor*. B.S. (Brown), 1996; M.S. (New York University), 1998; Ph.D. (Ibid.), 2001. Since 2005.

GEORGE T. GILBERT, *Associate Professor*. B.A. (Washington U.), 1979; Ph.D. (Harvard), 1984. Since 1990.

RHONDA L. HATCHER, *Associate Professor*. B.A. (Colorado), 1980; A.M. (Harvard), 1982; Ph.D. (Ibid.), 1987. Since 1990.

SCOTT NOLLET, *Associate Professor*. B.S. (Minnesota), 1985; Ph.D. (California-Berkeley), 1994. Since 2000.

ALLISON C. OWEN, *Instructor*. B.A. (Kansas Wesleyan U.), 1981; M.L.S. (Texas Women's U.), 1983; M.A. (Ibid), 1987. Since 2000.

EFTON PARK, *Professor*. B.S. (Oklahoma), 1983; Ph.D. (SUNY-Stony Brook), 1988. Since 1992.

IGOR P. PROKHORENKOV, *Associate Professor*. B.S. (Moscow State U.), 1991; Ph.D. (Rice), 1997. Since 1998.

KEN RICHARDSON, *Associate Professor*. B.A. (Rice), 1986; M.A. (Ibid.), 1989; Ph.D. (Ibid.), 1993. Since 1994.

KRISTI E. RITBY, *Instructor*. B.S. (TCU), 1997; M.S. (Texas-Arlington), 2000. Since 2002.

SUSAN G. STAPLES, *Associate Professor*. B.S. (Case Western Reserve), 1983; Ph.D. (Michigan), 1988. Since 1995.

KENNETH STEVENSON, *Instructor*. B.A. (Cameron U.), 1971; M.S. (Southwest Texas State U.), 1980; Ed.D. (Texas A & M, Corpus Christi), 1995. Since 2005.

### **Nutritional Sciences**

MARLYN DART, *Assistant Professor*. B.S. (Texas Woman's U.), 1980; M.S. (Ibid.) 1994; Ph.D. (Ibid.) 2001. Since 2001.

MARY ANNE GORMAN, *Professor*. B.A. (North Texas), 1970; M.Ed. (Ibid.), 1974; Ph.D. (Texas Woman's U.), 1983. Since 1983.

SARAH C. HAMPTON, *Instructor*. B.S. (Indiana University of Pennsylvania), 1985; M.S. (Hood College), 1991. Since 1999.

GINA J. HILL, *Assistant Professor*. B.S. (Texas Tech), 1998; M.S. (Ibid.), 1999; Ph.D. (Ibid.), 2003. Since 2003.

ANNE D. VANBEBER, *Professor and Chair of the Department*. B.S. (Texas Tech), 1979; M.S. (Texas Woman's U.), 1982; Ph.D. (Ibid.), 1991. Since 1992.

### **Physics and Astronomy**

WILLIAM R. M. GRAHAM, *Professor*. B.Sc. (Western Ontario), 1966; M.Sc. (Ibid.), 1968; Ph.D. (York) 1971. Since 1977.

DOUGLAS R. INGRAM, *Instructor*. B.A. (Texas-Austin), 1990; M.Sc. (U. of Washington), 1991; Ph.D. (Ibid.), 1996. Since 1996.

PAMELA M. MARCUM, *Associate Professor*. B.S. (Florida Institute of Technology), 1987; M.S. (Ibid.), 1989; Ph.D. (Wisconsin), 1994. Since 1996.

BRUCE N. MILLER, *Professor*. B.A. (Columbia), 1963; M.Sc. (Chicago), 1965; Ph. D. (Rice), 1969. Since 1971.

C. A. QUARLES, *W.A. "Tex" Moncrief Jr. Professor*. B.A. (TCU), 1960; M.A. (Princeton), 1962; Ph.D. (Ibid.), 1964. Since 1967.

C. MAGNUS L. RITBY, *Professor and Associate Dean of the College of Science and Engineering*. B.S. (U. of Sussex), 1980; Ph.D. (U. of Stockholm), 1985. Since 1990.

YURI M. STRZHEMECHNY, *Assistant Professor*. M.S. (Kharkov Politechnic University), 1988; Ph.D. (CUNY), 2000. Since 2005.

T. WALDEK ZERDA, *Professor and Chair of the Department*. M.S. (Silesian U.), 1971; Ph.D. (Ibid.), 1978; D.S. (Poznan), 1983. Since 1987.

### **Psychology**

TIMOTHY M. BARTH, *Professor and Chair of the Department*. B.S. (St. Bonaventure), 1979; M.S. (Wesleyan), 1982; Ph.D. (Texas-Austin), 1986. Since 1990.

GARY W. BOEHM, *Assistant Professor*. B.A. (Utah State U.), 1989; M.S. (U. of Connecticut), 1992; Ph.D. (Ibid.), 1996. Since 1999.

CHARLES F. BOND, JR., *Professor*. A.B. (North Carolina), 1975; Ph.D. (Duke), 1980. Since 1986.

DAVID R. CROSS, *Associate Professor*. B.A. (California-Fresno), 1977; M.A. (Michigan), 1984; Ph.D. (Ibid.), 1985. Since 1985.

DONALD F. DANSEREAU, *Professor*. B.S. (SUNY-Buffalo), 1964; M.A. (Carnegie-Mellon), 1966; Ph.D. (Ibid.), 1969. Since 1968.

JENNIFER J. HIGA, *Associate Professor*. B.S. (U. of Puget Sound), 1982; M.S. (Washington State), 1984; Ph.D. (Ibid.), 1987. Since 1998.

TIMOTHY L. HUBBARD, *Associate Professor*. B.A. (Denver), 1984; Ph.D. (Dartmouth), 1988. Since 1995.

GEORGE R. KING, *Assistant Professor*. B.A. (Emory U.), 1983; M.S. (Washington State U.), 1985; Ph.D. (SUNY-Stony Brook), 1989. Since 1999.

CHARLES G. LORD, *Professor*. B.A. (U. of Rhode Island), 1976; Ph.D. (Stanford), 1980. Since 1987.

MAURICIO R. PAPINI, *Professor*. Licentiate (U. of Buenos Aires), 1976; Ph.D. (U. of San Luis, Argentina), 1985. Since 1990.

CHRISTIE NAPA SCOLLON, *Assistant Professor* B.A. (Southern Methodist University), 1999; M.A. (Ibid), 1997; Ph.D. (University of Illinois at Urbana-Champaign) 2004.

D. DWAYNE SIMPSON, *Professor and Director, Institute of Behavioral Research*. B.A. (Texas-Austin), 1966; Ph.D. (TCU), 1970. Since 1990.

#### **Ranch Management Program**

ERIC L. BRAST, *Assistant Director of the Ranch Management Institute and Houston Livestock Show and Rodeo Professor*. B.A. (UT Austin), 1990; M.S. (Texas A&M), 1994; *Ranch Management Program* (TCU), 2005. Since 2006.

KERRY L. CORNELIUS, *Associate Director and Burnett Ranches Professor*. B.S. (Tarleton State), 1985; *Ranch Management Program* (TCU), 1986; M.S. (Tarleton) 1995. Since 1995.

J. CHRISTOPHER FARLEY, *Assistant Director of the Ranch Management Program and Southwestern Exposition and Livestock Show Professor*. B.S. (Sam Houston State), 1986; *Ranch Management Program* (TCU), 1996. Since 2006.

JEFFREY C. GEIDER, *William Watt Matthews Director of the Ranch Management Institute.; Ranch Management Program* (TCU), 1981; B.G.S. (TCU), 1981; M.L.A. (TCU), 1999. Since 1997.

TBA-Director of the Ranch Management Program and John Biggs Professor.

#### **Emeritus Faculty**

JOHN G. ALBRIGHT, *Emeritus Professor of Chemistry*

ERNEST ALLEN, *Emeritus Assistant Professor of French, German and Spanish*

BILLIE SUE ANDERSON, *Emeritus Assistant Professor of Kinesiology and Physical Education*

MALCOLM D. ARNOULT, *Emeritus Professor of Psychology*

MYRTLE BAILEY, *Emeritus Associate Professor of Home Economics*

WILLIAM R. BAIRD, *Emeritus Professor of New Testament*

WILLADEAN WILLIAMS BALL, *Emeritus Associate Professor of Nursing*

CHARLES McVEY BECKER, *Emeritus Associate Professor of Economics and Finance*

BETTY S. BENISON, *Emeritus Professor of Kinesiology and Physical Education*

ARTHUR K. BERLINER, *Emeritus Professor of Social Work*

CONSTANTINO E. BERNARDEZ, *Emeritus Instructor of Radio-Television-Film*

CHARLES E. BLOUNT, *Emeritus Professor of Physics*

JOHN W. BOHON, *Emeritus Associate Professor of History*

PAUL F. BOLLER, *Emeritus Professor of History*

M. EUGENE BORING, *Emeritus Professor of New Testament*

RUDOLF B. BRUN, *Emeritus Professor of Biology*

MARCUS BRYANT, *Emeritus Professor of Pastoral Care and Pastoral Psychology*

M. KATHRYN NICHOLS CAIRNS, *Emeritus Associate Professor of Nursing*

LARK F. CALDWELL, *Emeritus Associate Professor of Design, Merchandising and Textiles*

LUTHER B. CLEGG, *Emeritus Professor of Education*

STEVEN G. COLE, *Emeritus Professor of Psychology*

BETSY F. COLQUITT, *Emeritus Professor of English*

GAIL C. DAVIS, *Emeritus Professor of Nursing*

GERALDINE F. DOMINIAK, *Emeritus Professor of Accounting*

H. KIRK DOWNEY, *Emeritus Professor of Management*

FLOYD DURHAM, JR., *Emeritus Professor of Economics*

AMBROSE EDENS, *Emeritus Professor of Religion*

ARTHUR J. EHLMANN, *Emeritus Professor of Geology*

R. TERRY ELLMORE, *Emeritus Associate Professor of Radio-Television-Film*

FRED ERISMAN, *Emeritus Professor of English*

RICHARD M. FENKER, JR., *Emeritus Professor of Psychology*

MICHAEL R. FERRARI, *Chancellor Emeritus*

RONALD B. FLOWERS, *Emeritus Professor of Religion*

BOB J. FRYE, *Emeritus Professor of English*

AGATHA GAIL GEAR, *Emeritus Instructor of Art History*

MONETTE GRAVES, *Emeritus Associate Professor of Nursing*

GERALD L. GROTTA, *Emeritus Associate Professor of Journalism*

RALPH R. GUENTHER, *Emeritus Professor of Music Theory and Flute*

HENRY E. HAMMACK, *Emeritus Professor of Theatre*

LAWRENCE HANLEY, *Emeritus Professor of Music Education*

R. JOYCE HARDEN, *Emeritus Assistant Professor of Communication Pathology*

GEORGE E. HARRIS, *Emeritus Associate Professor of Physical Education*

ELVIRA HERNANDEZ HARRIS-ROGERS, *Emeritus Assistant Professor of Spanish*

JAMES R. HENLEY, JR., *Emeritus Associate Professor of Sociology*

SANOJA J. HENSLEY, *Emeritus Assistant Professor of Accounting*

BILLIE F. HIGHTOWER, *Emeritus Assistant Professor of Nursing*

MILDRED HOGSTEL, *Emeritus Professor of Nursing*

WINIFRED B. HORNER, *Emeritus Professor of English*

JAMES A. JACOBSEN, *Emeritus Professor of Music Education and Director of Bands*

JO ANN JAMES, *Emeritus Associate Professor of Education*

ALLENE JONES, *Emeritus Assistant Professor of Nursing*

HENRY C. KELLY, *Emeritus Professor of Chemistry*

TED K. KLEIN, JR., *Emeritus Professor of Philosophy*

NOAH A. KNEPPER, *Emeritus Professor of Woodwinds*

WILLIAM H. KOEHLER, *Provost Emeritus*

KENNETH T. LAWRENCE, *Emeritus Associate Professor of Religion*

ANDREW D. LESTER, *Emeritus Professor of Pastoral Theology and Pastoral Counseling*

MARJORIE D. LEWIS, *Emeritus Associate Professor of English*

RICHARD LINCOLN, *Emeritus Associate Professor of Art*

ANNE L. LIND, *Emeritus Assistant Professor of Nursing*

RICHARD J. LYSIAK, *Emeritus Associate Professor of Physics*

PEGGY MAYFIELD, *Emeritus Associate Professor of Nursing*

MALCOLM D. McLEAN, *Emeritus Professor of Spanish*

MARGARET C. McWHORTER, *Emeritus Assistant Professor of Design, Merchandising and Textiles*

JOHN L. MERRILL, *Emeritus Director of Ranch Management*

ETTA MILLER, *Emeritus Associate Professor School of Education*

ALISON FINNEY MORELAND, *Emeritus Instructor of Nursing*

HARRISON M. MOSELEY, *Emeritus Professor of Physics*

A. FRANKLIN MURPH, *Emeritus Professor of Decision Sciences*

WALTER R. NAFF, *Emeritus Assistant Professor of Ministerial Practice*

JAMES W. NEWCOMER, *Vice Chancellor Emeritus*

LOIS TURNER NEWELL, *Emeritus Assistant Professor of Home Economics*

MARYLEE NORRIS, *Emeritus Assistant Professor of Communication Pathology*

ROBERT A. OLSEN, JR., *Emeritus Brite Divinity School Librarian*

HENRY J. PATTERSON, *Emeritus Professor School of Education*

ROGER C. PFAFFENBERGER, *Emeritus Professor of Decision Sciences*

VERA PHILLIPS, *Emeritus Assistant Professor of Nursing*

BEN H. PROCTER, *Emeritus Professor of History*

ELIZABETH PROFFER, *Emeritus Dean of Students*

KENNETH R. RAESSLER, *Emeritus Professor of Music*

JACK RASKOPF, *Emeritus Associate Professor of Journalism*

WILLIAM W. RAY, *Emeritus Associate Professor of Geography*

NORMAN REMLEY, *Emeritus Professor of Psychology*

FRANK T. REUTER, *Emeritus Professor of History*

ANTHONY RIVARES, *Emeritus Professor of Spanish*

NELL B. ROBINSON, *Emeritus Professor of Nutrition and Dietetics*

GLENN C. ROUTT, *Emeritus Associate Professor of Theology*

J. CY ROWELL, *Emeritus Professor of Religious Education*

NANCY C. SAYNER, *Emeritus Associate Professor of Nursing*

PATRICIA D. SCEARSE, *Emeritus Professor and Dean of Harris College of Nursing*

FERNANDO SCHAFFENBURG, *Emeritus Professor of Ballet*

IRA J. SCHANTZ, *Emeritus Associate Professor of Voice*

E. LEIGH SECREST, *Emeritus Professor of Decision Sciences and Emeritus Vice Chancellor for Fiscal Affairs*

STANLEY ALLEN SELF, *Emeritus Professor of Management*

EMMET G. SMITH, *Emeritus Professor of Organ and Church Music*

J. DURWARD SMITH, *Emeritus Associate Professor of Biology*

WILLIAM SMITH, *Emeritus Professor of Chemistry*

MARJORIE T. STANLEY, *Emeritus Professor of Finance*

CAROL A. STEPHENSON, *Emeritus Associate Professor of Nursing*

HOWARD W. STONE, *Emeritus Professor of Pastoral Theology and Pastoral Counseling*

DANNA E. STRENGTH, *Emeritus Associate Professor of Nursing*

BEN STRICKLAND, *Emeritus Professor of Education*

GEORGE T. TADE, *Emeritus Professor and Dean of the College of Fine Arts and Communication*

WILMA JEAN TADE, *Emeritus Instructor in Communication Pathology*

GARY TATE, *Emeritus Professor of English*

PRISCILLA W. TATE, *Emeritus Associate Dean of AddRan College of Arts and Sciences*



JOHN TOULIATOS, *Emeritus Professor of Education*

STANLEY TRACHTENBERG, *Emeritus Professor of English*

WILLIAM E. TUCKER, *Chancellor Emeritus*

WILLIAM VANDERHOOF, *Emeritus Assistant Professor School of Education*

C. RICHARD WAITS, *Emeritus Professor of Economics*

WILLIAM H. WATSON, *Emeritus Professor of Chemistry*

MARGIE J. WEST, *Emeritus Professor of Art*

HOWARD G. WIBLE, *Emeritus Vice Chancellor*

CLOTILDA WINTER, *Emeritus Professor of Education*

HARRIET RISK WOLDT, *Emeritus Associate Professor of Cello and Theory*

JOHN WOLDT, *Emeritus Professor of Music History and Theory*

B. STEPHANIE WOODS-RAND, *Emeritus Associate Professor of Ballet*

JOHN L. WORTHAM, *Emeritus Professor of Economics*

## Finances

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### Payment

Texas Christian University has a monthly billing cycle. Payment in full for each semester's charges is due no later than the due date specified on the first statement on which the charges for the semester appear. If full payment is not made, an optional monthly payment plan is available for the fall and spring semesters. A minimum payment of 20% of total semester charges is due in each monthly installment. No advance notice is required to participate in the payment plan option. However, finance charges will be assessed monthly on unpaid balances under the payment plan. More detailed information about the payment plan option is available from the Director of Student Financial Services. The payment plan option is not available for summer sessions.

Payment deadlines must be met or the student may be denied advance or current registration. The ability to register in subsequent semesters may be denied if the student account is in arrears.

Transcripts will not be released nor will a degree be awarded unless the student has satisfied all financial obligations to the University, including loans made through the University.

Student accounts must be current to be eligible to make residential housing reservations and to make charges to student accounts using the student's University identification card.

**Miscellaneous Charges.** University Store purchases, library and parking fines, health insurance, health center services and medications, parking permits, copying charges, dining add-on charges and finance charges are billed monthly, and must be paid in full each month.

**A finance charge** is assessed monthly on billed items not paid by the stated due date. This applies to all accounts regardless of payment plan participation. More detailed information is available from the Director of Student Financial Services.

**Students Receiving Financial Aid** may participate in the payment plan option. The minimum amount due on the statement should be the total semester amount due less any financial aid awarded (except work study, which is paid directly to the student during the semester).

### Refunds

For a fall or spring semester, a student who withdraws *from the university* on or before the fifth class day may receive a 100 percent tuition refund. If withdrawal from the university occurs on or before the tenth class day, a 75 percent tuition refund is made. A 50 percent tuition refund is made upon withdrawal from the university on or before the 15<sup>th</sup> class day, and a 25 percent tuition refund is made if withdrawal is made on or before the 20<sup>th</sup> class day.

For a fall or spring semester, a student who initially enrolls for 12-18 hours but drops to less than 12 hours on or before the fifth class day will be refunded the difference between the flat-rate tuition for the semester and the applicable hourly tuition amount for the reduced number of hours. A student who drops to less than 12 hours on or before the 10<sup>th</sup> class day will receive a refund for 75 percent of the difference between the flat-rate tuition for the semester and the applicable hourly tuition amount for the reduced number of hours. A student who drops to less than 12 hours on or before the 15<sup>th</sup> class day will receive a refund for 50 percent of the difference. A student who drops to less than 12 hours on or before the 20<sup>th</sup> class day will receive a refund for 25 percent of the difference.

For a fall or spring semester, a student who withdraws *from a class* on or before the fifth class day may receive a 100 percent tuition refund for the class if the student initially enrolled for less than 12 hours and remains enrolled for less than 12 hours at the end of the fifth class day. If withdrawal from the class occurs on or before the tenth class day, a 75 percent tuition refund is made. A 50 percent tuition refund is made upon withdrawal from the class on or before the 15<sup>th</sup> class day, and a 25 percent tuition refund is made if withdrawal is made on or before the 20<sup>th</sup> class day.

**Return of Federal Financial Aid.** A student who withdraws from the University before the 60% point in the enrollment period (summer, fall, or spring) may have to return a prorated portion of the financial aid he or she received or that TCU received on his or her behalf. Detailed information about the federal policy on the 'Return of Title IV Funds' is available in the financial aid office.

### Overview

An independent church-related institution of higher education, Texas Christian University is chartered as a private non-profit corporation financed by gifts from alumni and friends, by endowment earnings, and by tuition and fees. The University receives no direct support from the state or federal government.

Tuition and fees are set at a level consistent with the educational services the University provides, and a large program of scholarships and financial aid helps some 75 percent of the students with their educational costs each year. Information about the financial aid program follows in this section of the Bulletin and more details are available from the Office of Scholarships and Student Financial Aid.

**Tuition and Fees**

Tuition and fees at Texas Christian University are usually set in the spring to be effective with the following fall session. Current tuition and fee schedules are available from:

Office of Admissions  
TCU Box 297013  
Fort Worth, TX 76129  
(817) 257-7490

Financial Services  
TCU Box 297011  
Fort Worth, TX 76129  
(817) 257-7834

Residential Services  
TCU Box 297360  
Fort Worth, TX 76129  
(817) 257-7865

## Student Financial Aid

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### **Overview**

Texas Christian University provides an extensive, individually designed financial aid program. There are certain principles that guide the administration of the various programs administered by the TCU Office of Scholarships and Student Financial Aid. First, financing a university education is a joint venture between the family and TCU. Second, eligibility for Title IV federal financial assistance, TCU-funded, and state financial aid programs will be based upon information on the Free Application for Federal Student Aid (FAFSA) as provided by the family. Third, academic scholarships will be based upon the academic achievement of the students. Fourth, those who have excelled academically will be given the largest share of TCU-funded dollars.

Applicants for assistance must be admitted to the University before aid is committed. Those students qualifying for academic scholarships will be reviewed by the Academic Scholarship Committee and notified of the results in March or November depending upon the date of entrance to the University.

Applicants for financial assistance programs must submit the Free Application for Federal Student Aid (FAFSA) no later than March 15 for fall entry and September 1 for spring entry. These dates ensure that this information will arrive at TCU prior to the deadline of May 1 and November 1, respectively. The FAFSA is available at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) or from high school guidance offices, the TCU financial aid office, or in the case of transfer students, other college financial aid offices. Financial assistance files completed after May 1 or November 1 will be reviewed; however, there may be a reduction in the aid offering due to budget limitations. (Deadlines for Ranch Management applicants, athletes, and fine arts performance majors may be extended due to University recruitment practices and for transfer students whose admission is pending due to the availability of final transcripts). All individuals whose FAFSA is selected for verification will be required to submit a copy of the parents' and student's federal income tax return, W-2s, Schedule Cs and a verification worksheet to substantiate the application. Additional documents may be required in individual cases.

Students generally receive aid from a variety of sources. Scholarships, federal, state and institutional grants, work, and/or loans are combined or "packaged" to form the financial assistance award. Approximately 75 percent of the current TCU student body is receiving financial assistance. Questions regarding the University's aid program may be directed to: Director of Scholarships and Student Financial Aid, Texas Christian University, TCU Box 297012, Fort Worth, Texas 76129, (817) 257-7858.

### **General Policies for All Programs**

1. Students may receive more than one TCU-funded award. However, the annual aggregate of the combined awards may not exceed the value of full tuition for the hours enrolled up to 36 credit hours. Institutional funds may only be applied to tuition costs unless specifically designated as Room and Board Grants. Note: With the exception of the Pell Grant, most federal and state grant programs are also limited to paying tuition costs.
2. Any aid granted by the University may be withdrawn at any time for unsatisfactory conduct.
3. If invited to participate in the Honors Program, scholarship recipients are encouraged to do so.
4. All students receiving financial aid from sources outside the University must notify the Office of Scholarships and Student Financial Aid of the amount and source of such aid.
5. Most financial aid awards are granted for one year and may be renewed if the recipient meets required stipulations. All reapplications and required documents must be received prior to May 1 to ensure funding.
6. Maximum duration of TCU funded awards will be eight semesters or a total of 128 TCU semester hours of undergraduate study, whichever occurs first. A ninth semester of aid is allowed for students in a program requiring more than 128 hours for a baccalaureate degree.
7. Students who receive financial eligibility-based assistance through TCU may not receive funds from any additional source, which will exceed their eligibility. Any student who has been "over-awarded" will have his or her awards reduced by the Office of Scholarships and Student Financial Aid so that all aid received will comply with federal and state guidelines. When possible, this reduction takes place in either the employment or loan programs.
8. TCU funded assistance is restricted to tuition costs for first-degree undergraduates. (Exceptions are made for Ranch Management, Piano Certificate, or Artist Diploma programs and for recipients of Alumni half-tuition, City of Fort Worth Grant, and Professional/Personal Development Grant).
9. Academic scholarships may only be applied to tuition costs. Students receiving awards from other sources that are restricted to tuition charges must choose which award(s) to accept in the event these funds exceed tuition.
10. To be eligible for TCU-funded aid, a student must have a TCU cumulative grade point average of 2.5 or better

and must register for at least 12 semester hours, unless the aid is designated for part-time students. PLEASE NOTE: 27 semester hours of "letter grade" credits each academic year (fall/spring) are required for academic scholarship renewal. See renewal requirements in the Academic Scholarship section.

11. To be eligible for federal and state aid, a student must have a TCU cumulative grade point average of 2.0 or better and must register for at least six semester hours.

12. Students must maintain the requirements outlined in the Undergraduate Student Financial Aid Statement of Satisfactory Academic Progress in order to apply for and receive financial aid.

13. With the exception of TCU International Summer Study programs, grant assistance is generally not available during the summer terms.

14. Graduating seniors in their last semester may register as part-time students. Aid will be offered on a pro rata basis. The student must register for at least 6 hours of credit.

15. Students participating in the TCU London Center or TCU-sponsored international programs are eligible for all TCU-administered aid. Students participating in the Institute of European Studies (IES) or the Council on International Educational Exchange (CIEE) are eligible for all TCU-administered aid except Federal Work/study, Federal Perkins Loan and Nursing Student Loan. State and federal aid, other than Federal Work/study, Perkins Loan and Nursing Student Loan, is available for other U.S. University Programs and Non-U.S. University Programs if there is a consortium agreement on file at TCU.

### **Academic Scholarships**

TCU rewards academic achievement. The following list of awards is designed to recognize entering students who have excelled academically. In order for a student to compete for an academic award, freshman applicants must complete the application for admission and submit SAT/ACT scores by December 15. Transfer student applicants must be admitted by April 15 for the fall semester and October 1 for the spring semester. These awards are based solely on academic performance without regard to the family's financial condition as evidenced by the FAFSA.

### **Freshman Awards**

Applicants who meet the December 15 and November 1 (spring entry) admission deadline and submit an outstanding record of academic achievement in a college-prep curriculum will be considered in the competition. Candidates typically rank at the top of their high school class (if class rank is reported), earn high scores on the SAT or ACT and possess a significant record of co-curricular and community involvement. Communication skills, counselor and teacher recommendations, and optionally submitted materials will also be considered.

There are specific renewal requirements common to all academic awards. They are:

1. Successful completion of 27 "letter grade" hours each academic year (fall and spring). Note: Summer courses do not satisfy the requirement.
2. A TCU cumulative GPA of 3.0 is required at the conclusion of the freshman year. Thereafter, a 3.25 TCU cumulative GPA is required at the conclusion of each spring semester.
3. In general, classes designated as Pass/No Credit do not count toward scholarship renewal. An exception is made if that is the only grading option available for that course.
4. F grade, W or Q, I, AU, NR, CR, Advanced Placement (AP), College Level Examination Program (CLEP), and College Board Achievement Tests in Foreign Languages (ACH) will not count toward satisfying requirements.
5. Repeated classes are not counted for scholarship renewal unless the original letter grade was an F.
6. Duration of freshman awards is 8 semesters or 128 TCU semester hours, whichever occurs first.

### **Chancellor Scholarship**

**Amount:** Full tuition for up to 18 hours per semester for up to 8 undergraduate semesters. Total value in excess of \$92,000.

### **Deans Scholarship**

**Amount:** \$9,500 per year for up to 8 undergraduate semesters. Total value \$38,000.

### **Faculty Scholarship**

**Amount:** \$8,000 per year for up to 8 undergraduate semesters. Total value \$32,000.

### **TCU Scholarship**

**Amount:** \$5,500 per year for up to 8 undergraduate semesters. Total value \$22,000.

### **National Merit National Achievement National Hispanic**

**Amount:** \$2,000 per year for up to 8 undergraduate semesters. Total value \$8,000.

*Special Note:* Scholars must be designated as finalists in the competition and Merit finalists must officially designate TCU as their first choice. This scholarship may be awarded in addition to another TCU scholarship if the total amount of institutional merit scholarship does not exceed the cost of tuition at TCU.

**TCU Eagle and Gold Scout Scholarship**

**Amount:** \$2,000 per year for up to 8 undergraduate semesters. Total value \$8,000.

*Special Note:* This special scholarship is awarded in recognition of those who have attained the highest rank in Boy Scouts or Girl Scouts and who have not been presented another TCU merit-based award. Completed applications, which are available in the Forms Library at [www.fam.tcu.edu](http://www.fam.tcu.edu), must be received by May 1 of the candidate's high school senior year.

**TCU Academic Achievement Award**

This award is for current TCU students who were at the top of their class at the end of the freshman year and were not awarded an academic scholarship upon entering the University.

**Transfer Awards**

Transfer scholarships are highly competitive. Candidates must present a minimum cumulative college GPA of 3.25 and at least 27 hours of transferable course work. Other factors that will be considered are strength of curriculum, GPA earned during the last 30 hours of course work, communication skills, and extra-curricular activities. Renewal of scholarships is based on the successful completion of at least 27 hours of letter-grade course work at TCU during the academic year (Fall and Spring Terms). A TCU cumulative GPA of 3.25 is required at the conclusion of the Spring Term.

**Transfer Chancellor Scholarship**

**Amount:** Full Tuition for up to 18 hours per semester for up to 4 undergraduate semesters.

Total value in excess of \$46,000.

*Special Note:* Candidates must also, by June 1st, have completed either their associate's degree from a community/junior college, or at least 64 transferable hours of senior/junior college course work.

**Transfer Deans Scholarship**

**Amount:** \$9,500 per year for up to 6 undergraduate semesters. Total value \$28,500.

**Transfer Faculty Scholarship**

**Amount:** \$8,000 per year for up to 6 undergraduate semesters. Total value \$24,000.

**Transfer TCU Scholarship**

**Amount:** \$5,500 per year for up to 6 undergraduate semesters. Total value \$16,500.

**Phi Theta Kappa Alumni Scholarship**

**Amount** \$5,750 per year for up to 6 undergraduate semesters. Total value of \$17,250.

*Special Note:* Active PTK membership is also a pre-requisite for this TCU-sponsored award.

**TCC/TCU Cornerstone Scholarship**

**Amount:** \$9,750 per year for up to 4 undergraduate semesters. Total value \$19,500.

*Special Note:* This scholarship is awarded to select top Tarrant County College Cornerstone Scholars. Candidates must have completed the program at TCC with two years full-time course work or an Associate's Degree. Meeting minimums does not ensure selection.

**Sponsored Scholarships, Outside Awards**

Individuals, foundations, and other agencies place scholarships with TCU. These are awarded by the University through its regular channels in keeping with the standards and/or the conditions stipulated by the donor. Qualified students are considered for these scholarships on the basis of the TCU admissions application. In addition, financial assistance is offered by a number of corporations, foundations, and other organizations, which grant them directly to the student, who may then select the institution where the award is to be used. High school principals and counselors usually have information concerning such awards.

**Performance Awards**

TCU offers talent-based awards. Recipients of these awards are recommended by the individual department(s) and the awards may or may not be based in part upon the results of the FAFSA.

**Athletic Grant-in-Aid.** Grants-in-aid for intercollegiate athletes are granted in accordance with the policies of the National Collegiate Athletic Association and the USA Athletic Conference; however, athletes who apply for state or federal grants or for other TCU financial assistance programs must meet the standards for regular financial assistance.

**Nordan Fine Arts Scholarship.** These awards are made to exceptionally talented students in art, ballet/modern dance, music, and theatre. They hold a value of up to \$40,000 over a four-year period for undergraduate students. The awards are renewable each year subject to the recipient fulfilling expectations. For more information contact: Dean, College of Fine Arts, TCU Box 298000, Fort Worth, Texas 76129.

**Band Awards.** Funds are available to some members of the Horned Frog Band. The amount of the award will depend upon talent and availability of other aid. Awards are made on recommendation of the Director of Bands after an audition. Awards may be renewed.

**Orchestra and Choral Awards.** Funds are available to some members of the University Orchestra and Choral Programs. The amount of the awards depends upon talent and availability of other aid. Awards are made on recommendation of the Director of the Orchestra and the Director of the Choir after an audition. Awards may be renewed.

#### **Religious Affiliated Programs**

To receive aid from more than one religious-affiliated program, applicants must demonstrate financial eligibility through the Free Application for Federal Student Aid (FAFSA).

**Beasley Foundation Grants.** These grants are for members of the Christian Church (Disciples of Christ) and are made available through the Theodore and Beulah Beasley Foundation, Inc. They are based on the results of the FAFSA, academic achievement, and leadership potential. To be eligible, a student must rank in the top 25% of his/her high school class or have a minimum SAT 1100/ACT 24 or a 3.0 high school grade point average, or a 2.5 cumulative transfer grade point average. The amount of assistance depends on the results of the FAFSA and availability of other aid. Most awards range from \$1,000 to \$4,000. Consideration for renewal is based upon successful completion of at least 24 hours and achievement of a minimum TCU cumulative GPA of 2.5.

**Bermont Family Undergraduate Jewish Student Scholarship.** Award for entering freshmen or transfer students who are Jewish. Preference will be given to student applicants who demonstrate financial need as evidenced by the Free Application for Federal Student Aid (FAFSA). Amount varies.

**Church Vocation Conditional Loan.** Through the cooperation of the Christian Church (Disciples of Christ), TCU is able to award financial assistance to students, regardless of denomination, preparing to become ordained clergy, church musicians, or directors of religious education in a full-time church vocation affiliated with a church denomination. These awards will be in an amount not to exceed one-half tuition for up to 18 hours per semester. The minister and the board (or governing body) of the applicant's home congregation must certify the applicant as a member in good standing and as a candidate for full-time church-related work. In addition, a letter of recommendation from an appropriate church official is required, along with an essay from the candidate reflecting on the individual's theological development and commitment to devote his/her life to the ministry of the Gospel of Christ as a full-time vocation. This certification should be received by TCU prior to May 1 for the fall semester and November 1 for the spring semester.

Prior to May 1 each year, all recipients will re-certify their commitment to enter a full-time church vocation and present evidence of their progress toward that goal. The home congregation, the TCU Scholarship Committee and the Department of Religion will review the re-certification. Award decisions will be based on several factors including academic record, applicant's essay and letter of recommendation. Candidates who are members of the Christian Church (Disciples of Christ) will be given preference. Financial eligibility as demonstrated by the FAFSA will be considered although it will not be an absolute prerequisite for receiving an award.

Recipients of a church vocation loan must enroll in an undergraduate program leading to a baccalaureate degree from TCU. They are required to major or minor in Religion or major in church music. Minimum renewal requirements are a 2.5 TCU cumulative GPA and successful completion of at least 24 semester hours during the academic year. Recipients are required to sign a promissory note for the amount of the loan plus interest. Recipients who complete their preparation and go into church vocations will have this obligation forgiven based on the number of years in a church vocation. Applications for a church vocation loan may be obtained from the Forms Library of the Financial Aid section at [www.fam.tcu.edu](http://www.fam.tcu.edu).

**Christian Youth Fellowship (CYF Grant).** Through the cooperation of the Christian Church (Disciples of Christ), TCU is able to offer tuition assistance to regional officers of the Christian Youth Fellowship. These awards will be in an amount not to exceed one-half tuition for up to 18 hours per semester and is renewable for eight semesters providing the student meets the criteria for financial aid satisfactory academic progress. Additionally, a TCU cumulative 2.5 GPA is required for renewal.

**Minister and Minister's Dependent Grant.** Through funds provided by the Christian Churches of Texas, New Mexico and Louisiana, partial-tuition grants are available to certain categories of "closely related" students attending TCU. Included are:

1. spouses of full-time students of Brite Divinity School, the graduate seminary;
2. unmarried youths under 23 years of age who are dependent children of Christian Church (Disciples of Christ) ministers in full-time active service (including missionaries) and youths of Juliette Fowler Home (including employees of the Home);
3. spouses of full-time Christian Church (Disciples of Christ) ministers and
4. full-time Christian Church (Disciples of Christ) ministers who wish to continue their education on a part-time basis in the undergraduate program.

Students enrolled full-time in the regular undergraduate program are entitled to one-half tuition grants for up to 18 hours per semester. Applications must be made by May 1 each year.

#### **Federal Grant Programs**

Eligibility for the following programs is based upon receipt and evaluation of the FAFSA. The FAFSA must be submitted no later than March 15 for fall entry and September 1 for spring entry. These dates ensure that this information will arrive at TCU prior to the deadline of May 1 and November 1, respectively. These programs are subject to the provisions stated in General Policies, listed earlier in this section of the Bulletin, as well as specific programmatic requirements as defined.

**Federal Pell Grant.** This is a federally funded grant for undergraduate students only. The maximum amount of the grant is established by the U.S. Department of Education on an annual basis. Grants range from \$200 to \$4,050

depending on federal allocations and eligibility.

**Federal Supplemental Educational Opportunity Grant (SEOG).** The average SEOG award at TCU is approximately \$400 per academic year. Eligibility extends to completion of the first undergraduate degree. All SEOG awards are dependent on the funding levels approved by federal government appropriations and awards to the institutions.

### State and Institutional Grant Programs

Eligibility for the following programs is based upon receipt and evaluation of the FAFSA. The FAFSA must be submitted no later than March 15 for fall entry and September 1 for spring entry. These dates ensure that this information will arrive at TCU prior to the deadline of May 1 and November 1, respectively. These programs are subject to the provisions stated in General Policies, listed earlier in this section of the Bulletin, as well as specific programmatic requirements as defined by the Texas Higher Education Coordinating Board.

**TCU Grant.** Students with financial eligibility are considered for participation in this program. The results of the FAFSA, class rank and SAT/ACT are reviewed. The award is based upon the quality of the entire applicant pool. Renewal is based upon results of the FAFSA and a minimum TCU cumulative GPA of 2.5.

**Middle Income Assistance Program.** Awards vary, generally between \$500 and \$2,550.

**Tuition Equalization Grant (TEG).** The State of Texas sponsors a program to help equalize the cost of tuition between independent universities and the state public institutions. TCU participates in this program. To qualify, a student must:

1. be a Texas resident as defined by the Texas Higher Education Coordinating Board;
2. establish financial eligibility as evidenced by the FAFSA;
3. not be the recipient of an athletic scholarship during the semester the student is receiving the TEG;
4. provide results of a processed FAFSA no later than May 1 for fall and November 1 for spring.

**Leveraging Educational Assistance Partnership (LEAP).** LEAP may be combined with the TEG to assist undergraduates who have established additional eligibility through the FAFSA. The number awarded and the amount of the award is dependent upon the availability of funds provided by the federal government.

**TEXAS Grant Program.** The TEXAS GRANT Program is sponsored by the state of Texas and available to Renewal applicants only as of September 1, 2005. To renew, a student must:

1. have received their first TEXAS GRANT prior to September 1, 2005;
2. be a Texas resident as defined by the Texas Higher Education Coordinating Board;
3. establish financial eligibility as evidenced by the FAFSA;
4. successfully complete 75% of full-time hours with a TCU cumulative GPA of 2.5
5. not be convicted of a felony or a crime involving a controlled substance;
6. enroll at least 3/4-time in an undergraduate degree or certificate program within 16 months of high school graduation.

### Programs for Non-Traditional Students

Responding to the needs of several types of part-time, adult and non-traditional students, TCU offers the following programs. Information and applications may be obtained by contacting the Office of Scholarships and Student Financial Aid, Sadler Hall 108, telephone (817) 257-7858. Students receiving assistance through these programs must maintain the standards set forth in the Undergraduate Student Financial Aid Statement of Satisfactory Academic Progress outlined elsewhere in this Undergraduate Studies Bulletin.

**Personal/Professional Development Grant.** Awards are available to qualified part-time, independent students at least 22 years of age. This first-come, first-served grant is available to students who often do not qualify for other forms of financial assistance. With the exception of Pell Grants and educational loans, these grants may not be combined with other TCU-administered aid.

**Alumni Half-Tuition.** Persons with a TCU degree are eligible to take additional undergraduate courses, except for performance music, at half-tuition. Funds for this program are limited and some restrictions apply. A student may not be receiving tuition funds from any other source with the exception of educational loans and may not combine this award with other financial aid administered by TCU. A student concurrently enrolled in a graduate degree program at TCU may not combine this award with aid through a Graduate Department. Readmission to the University as a non-degree student is available through the Office of Extended Education. For admission as a degree-seeking student contact the Office of Admission. This assistance is awarded on a funds and space available basis to students who register on the second day of class. Applications, which may be completed in advance, are available in the Office of Scholarships and Student Financial Aid, Sadler Hall 108.

**City of Fort Worth Grant.** City of Fort Worth employees are eligible to receive tuition assistance in accordance with a cooperative agreement between TCU and the City of Fort Worth. Applications are available in the Office of Scholarships and Student Financial Aid, Sadler Hall 108.

### Employment Programs

**Federal Work-Study Program (FWS).** This federally-funded program provides a portion of the wages earned by students employed on campus. To receive a Work-study award, the applicant must have financial eligibility as



evidenced by the Free Application for Federal Student Aid (FAFSA). Students employed through this program must be capable of maintaining good standing in their course of study while employed. To research current job listings, visit [www.frogjobs.net](http://www.frogjobs.net), and click on "Student/Alum Log-in." If you are a new user, click on the "Click Here to Register" link. Once you have found a position in which you are interested, follow the instructions for application. Student employees are paid by check every two weeks for actual hours worked.

**Texas College Work-Study Program.** This state-funded program provides a portion of the wages earned by students employed on campus. Students must be Texas residents. To receive a Work-Study award, the applicant must have financial eligibility as evidenced by the Free Application for Federal Student Aid (FAFSA). Students employed through this program must be capable of maintaining good standing in their course of study while employed. To research current job listings, visit [www.frogjobs.net](http://www.frogjobs.net), and click on "Student/Alum Log-in." If you are a new user, click on the "Click Here to Register" link. Once you have found a position in which you are interested, follow the instructions for application. Student employees are paid by check every two weeks for actual hours worked.

**University Student Employment.** TCU offers a number of student jobs through the various departments on campus. To research current job listings, visit [www.frogjobs.net](http://www.frogjobs.net), and click on "Student/Alum Log-in." If you are a new user, click on the "Click Here to Register" link. Once you have found a position in which you are interested, follow the instructions for application. Student employees are paid by check every two weeks for actual hours worked. Eligibility is not necessarily related to the FAFSA; however, some departments may prefer to hire students with work-study awards.

**Employment in the Fort Worth Area.** Students may also find employment in the Fort Worth area. Business establishments adjacent to the campus frequently employ TCU students. Other business enterprises in more distant areas of the community also employ TCU students who have means of transportation to and from the job. Employment opportunities in the area are particularly advantageous to students who are pursuing certain career fields where on-the-job training may be helpful. The Career Services Office provides assistance in helping students locate these types of employment.

**Residence Hall Assistants.** There are several staff positions for upper-class students as Resident Assistants in each residence hall. Required are leadership ability, an appreciation for the University's educational philosophy, and a concern for other students' needs. Applications should be made to the Office of Residential Services. Dates for applications are announced each spring.

#### Student Loan Programs

Loans must be repaid and require the signing of a promissory note. There are several types of loans available to students attending TCU.

**B-On-Time Loan** The B-On-Time is a state loan program with possibilities for loan forgiveness. This is a no interest loan with a 3% origination fee deducted from the disbursement. The loan will be forgiven for students who complete their undergraduate degree with a total number of credit hours that is no more than 6 hours above what is required to complete the degree, with a cumulative GPA of 3.0 or higher. Applicant must have graduated from High School May 2003 or later. Full time enrollment and Texas Residency are required. Students may not concurrently receive a B-On-Time Loan and the Texas Grant. If a student does not qualify for loan forgiveness, normal repayment is a minimum of \$75.00 over a period of up to 15 years. Payment begins 6 months after student ceases to be enrolled half time. Renewal is based on the availability of funds and requires annual filing of the FAFSA, and TCU cumulative GPA of 2.5 or higher. Forgiven BOT loans must be reported to the IRS as taxable income. Funds are limited.

**Federal Carl Perkins Student Loan** (formerly National Direct Student Loan, NDSL). TCU is the lender. Eligibility is determined by the FAFSA. This program has a fixed interest rate of 5%. No payment of principal or interest is required nor does the interest accrue until one ceases to be a half-time student (normally carrying 6 semester hours). Repayment begins nine months after one is no longer enrolled at least half-time. One may prepay (early payment) at any time while incurring no additional charge. Normal payment is a minimum of \$40 per month over a period of up to ten years. A signed promissory note is required.

**Nursing Student Loan (NSL)** TCU is the lender. Eligibility is determined by the FAFSA. This program has a fixed interest rate of 5%. No payment of interest or principal is required nor does the interest accrue until one ceases to be at least a half-time student (normally carrying 6 semester hours). Repayment begins nine months after one is no longer enrolled at least half time. Normal repayment is a minimum of \$15 per month over a period of up to ten years.

**Federal Stafford Student Loan (FSSL).** Formerly Guaranteed Student Loan (GSL). Eligibility is determined by the FAFSA. TCU is not the lender. The applicant may choose any bank, savings and loan association, credit union, or other traditional lender that participates in the student loan program. The Office of Scholarships and Student Financial Aid maintains a list of lenders that are used by a number of TCU students and that provide a satisfactory level of service to students. For loans first disbursed on July 1, 2006 or after, the program has a 6.8% fixed interest rate. Borrowers with an outstanding loan balance prior to this date should review their disclosure statements for applicable interest rate information. Normally, the repayment period for the loan will be ten years. The federal government pays the interest during the period of at least half-time enrollment and during the six-month grace period.

Undergraduate students may borrow up to \$2,625 during the first year of study, \$3,500 during the second year of study, and \$5,500 per year for subsequent years of study to a maximum of \$23,000. Repayment begins six months after one is no longer enrolled at least half time. The lender may deduct an origination fee up to 3% from the proceeds of the loan at the time of disbursement.

**Unsubsidized Federal Stafford Student Loan.** The FAFSA is required. Eligibility is determined by subtracting other forms of aid from the TCU 'Estimated Cost of Attendance' as defined by federal law. Terms and interest rates are the same as for the FSSL with the following exceptions: interest on the Unsubsidized Federal Stafford Loan must be paid monthly, quarterly, or be added into the principal amount of the loan.

Dependent undergraduate students may borrow up to the following maximums by combining Subsidized Stafford

loan with the Unsubsidized Stafford Loan: \$2,625 during the first year of study, \$3,500 per year during the second year of study, and \$5,500 per year for subsequent years of study to a maximum of \$23,000. The lender may deduct an origination fee up to 3% from the proceeds of the loan at the time of disbursement.

Independent undergraduate students may borrow up to the following maximums by combining Subsidized Stafford loan with the Unsubsidized Stafford Student Loan: \$6,625 during the first year of study, \$7,500 during the second year of study, and \$10,500 per year for subsequent years of study to a maximum of \$46,000. The lender may deduct an origination fee up to 3% from the proceeds of the loan at the time of disbursement.

**College Access Loan (CAL).** The lender is the Texas Higher Education Coordinating Board. This student loan is for Texas residents or recipients of competitive academic scholarships of at least \$500 who are enrolled at least half-time. Financial need is not a requisite, but applicants must submit the Free Application for Federal Student Aid (FAFSA). A credit-worthy co-signer is required. Loan amounts are limited to the student's cost of attendance per year, and to a maximum aggregate of \$45,000. This program has a 5.25% simple interest rate beginning the date of disbursement. Borrowers with an outstanding balance prior to June 15, 2003, should review their disclosure statements for applicable interest rate information. Repayment begins six months after the student ceases to be enrolled at least half time. Applications may be completed on line at [www.hhloans.com](http://www.hhloans.com).

**Federal Parent Loan For Undergraduate Students (PLUS).** TCU is not your lender. A parent of an undergraduate student may borrow an amount up to the estimated cost of attendance as defined by federal law minus other forms of financial aid. For loans first disbursed on July 1, 2006 or after, the program has an 8.5% fixed interest rate. Borrowers with an outstanding loan balance prior to this date should review their disclosure statements for applicable interest rate information. Repayment of principal and interest begins approximately 60 days following disbursement and allows the borrower up to ten years in repayment. Most lenders offer postponement of payments until the student graduates or ceases to be half-time.

**Etta Newby Loan.** TCU is the lender. This program requires Texas residency with preference given to Fort Worth high school graduates. A FAFSA must be filed. Applicants must have at least a 2.5 overall grade point average. The maximum borrowing is \$2,200 per year, \$8,000 aggregate. There is no interest charged; however, recipients are expected (not required) to make contributions to the fund after the debt is repaid. Repayment begins one month after the student graduates or ceases to be at least a half-time student at TCU. Funds are limited.

**Emergency Loans.** TCU has additional funds provided by friends and alumni to be used in emergency situations. Loans are short term and must be repaid within 30 days. A loan committee will review each loan application.

#### Other Financial Assistance Programs

**Tandy Grant.** Charles Tandy established a trust fund in 1975 for the purpose of underwriting grants for employees of the Tandy Corporation and their lineal descendants (i.e., children and grandchildren). The dollar amount of the grants varies from year to year, depending upon the number of applicants and the amount available from the fund. Students may apply for the minimum grant simply by completing the application form, which may be obtained in the TCU Office of Scholarships and Student Financial Aid. A FAFSA is required in order to be considered for more than the minimum grant. This award is subject to the General Policies of All Programs as outlined elsewhere in this Bulletin.

**Big Brothers Big Sisters of Tarrant County Scholarship.** TCU students who are currently serving as a Big Brother or Sister, or those who have been a Little Brother or Sister at one time may apply. Recipients receive \$2,000 for the academic year and may reapply for a total of four years. Financial eligibility must be established through the FAFSA. Incoming freshmen must be ranked in the top 25% of their high school class. Transfer students and current TCU students must have a grade point average of 2.5. Due to a need for minority Big Brothers, the donor has stipulated a preference for male minority applicants. Applications are available in the TCU Office of Scholarships and Student Financial Aid.

**Hatton W. Sumners Partial-Tuition Grant.** Students majoring in political science, history, pre-law, or educational social studies may apply. Applicants must be U. S. citizens, enrolled full time, be in good academic standing and demonstrate financial eligibility through the FAFSA. Amount varies.

**Hope Pierce Tartt Scholarship.** Residents of Gregg, Harrison, Marion, Panola, and Upshur counties in the state of Texas may apply. The FAFSA is required. Amount varies and is generally between \$500 and \$1,000.

**International Student Awards.** A limited number of awards are available for international students based upon financial need and/or merit. The award amounts vary. Awards are subject to the General Policies of All Programs and the Undergraduate Student Financial Aid Statement of Satisfactory Academic Progress.

**Martin Luther King, Jr. Scholarship.** Application process is open to students who indicate a career goal that demonstrates a service to humanity. Amount varies and is generally between \$500 and \$2,000.

**M. D. Anderson Pre-Med Scholarship.** Applicants must have completed Chemistry 10113, 10122, 10123, or Chemistry 10114 or 10124 and Biology 10504, 10514, or equivalent, and have a cumulative TCU GPA of at least 3.0 overall and in the sciences. Applicants must demonstrate service to TCU, fellow students and the profession. Evidence of health-related experience and motivation toward a career as a doctor or dentist is also required. Amount varies and is generally from \$500 to \$5,000 per year.

**State Scholarship and Grant Programs.** Connecticut, Delaware, Michigan, Pennsylvania and Vermont award state grants to their residents, which may be used for enrollment at TCU. Residents of these states should contact the Higher Education Assistance Agency at the appropriate state capitol.

**Summer International Study Grant.** A limited number of grants are available for continuing TCU students in degree programs. The award amounts vary. Students must file a FAFSA for the academic year preceding the summer international study to be considered. Awards are subject to the General Policies of All Programs and the Undergraduate Student Financial Aid Statement of Satisfactory Academic Progress.

**London Center Study Grant.** Award for degree-seeking students with financial eligibility enrolling in the TCU London Center. Applicants must have at least a 2.5 TCU cumulative GPA. Amounts vary and are generally between

\$500 and \$2,000.

**ROTC Scholarship Programs.** The U.S. Army and Air Force defray some or all expenses for tuition and fees, provide a textbook allowance, and pay a monthly stipend to highly qualified young persons selected to participate in the ROTC College Scholarship Program. Successful completion of the ROTC course and all academic requirements for a bachelor's degree qualifies participants for an officer's commission in the Air Force or Army. A service obligation is incurred by those commissioned through this program. Awards are available to entering freshmen as well as to current TCU students.

Four-year and Three-year Advance Designee ROTC Scholarship winners are eligible to compete for a limited number of TCU Room and Board Supplement Grants and TCU ROTC Activity Grants. To be considered, the student must meet the scholarship deadline (January 15) and the financial aid deadline (May 1). Inquiries should be made directly to the Professor of Military Science (Army) or the Professor of Aerospace Studies (Air Force) at TCU.

**Veterans Administration (V.A.)** The Office of the Registrar will assist individuals eligible for veteran educational assistance benefits.

**Vocational Rehabilitation.** The Texas Rehabilitation Commission (TRC) offers assistance for tuition and non-refundable fees to students who have certain disabling conditions. The vocational objectives of the applicant must be approved by a TRC counselor. Examples of such conditions include orthopedic deformities, emotional disorders, diabetes, epilepsy, and heart conditions. Other services are also available to assist the handicapped student to become employable. Application for such service should be made at Texas Rehabilitation Commission, Fort Worth District Office.

### **UNDERGRADUATE STUDENT FINANCIAL AID STATEMENT OF SATISFACTORY ACADEMIC PROGRESS**

All students must maintain certain requirements to receive financial aid. Credit hours attempted, credit hours completed and TCU grade point average are reviewed in June at the conclusion of each academic year to determine whether satisfactory progress is being maintained. Additionally, a student on academic warning or probation will be reviewed at the conclusion of each academic semester. **Please note, students deemed academically ineligible by the Registrar's Office are not eligible to receive financial aid.** (See Sections I, II, III, IV.)

The following statement outlines the requirements for satisfactory progress and how those requirements are monitored. Enrollment status is determined on the final day of the 100% refund period.

#### **Section I - Full-Time Undergraduate Student** (12+ Hours/Semester)

- A. Complete and receive academic credit for at least 24 hours annually. (See Section V)
- B. Maintain a TCU grade point average (GPA) of at least 2.0 on hours completed.
- C. Not be on academic probation.

#### **Section II - 3/4 Time Undergraduate Student** (9-11 Hours/Semester)

- A. Complete and receive academic credit for at least 6 hours per semester. (See Section V)
- B. Maintain a TCU grade point average of at least 2.0 on hours completed.
- C. Not be on academic probation.

#### **Section III - 1/2 Time Undergraduate Student** (6-8 Hours/Semester)

- A. Complete and receive academic credit for 50% of the number of hours for which enrolled. (See Section V)
- B. Maintain a TCU cumulative grade point average of at least 2.0 on the hours completed.
- C. Not be on academic probation.

#### **Section IV - Less than 1/2 Time Undergraduate Student** (1-5 Hours/Semester)

- A. Complete and receive academic credit for the number of hours for which enrolled. (See Section V)
- B. Maintain a TCU cumulative grade point average of at least 2.0 on the hours completed.
- C. Not be on academic probation.

#### **Section V - Criteria Used to Evaluate Grades**

- A. The following will be counted as credits completed:

A through D grades, and P

- B. The following will not be considered as credits completed:

F, W, Q, I, AU, NR, and CR; Repeated Courses; Advanced Placement (AP);  
College Level Examination Program (CLEP);  
College Board Achievement Test in Foreign Languages (ACH)

- C. Repeated courses will not be counted towards satisfactory academic progress unless the student previously received a grade of F or D in a course, which a grade of C or better is required for degree completion. A student affected by either of these situations must notify our office for individual review.

#### **Section VI - Schedule of Completion of Degree Requirements - Full-Time**

Satisfactory academic progress is evaluated at the conclusion of each fall and spring semester.

A student who is registered as a full time student and completes fewer than the required number of hours may attend summer school to re-establish eligibility for financial aid. If the student attends an institution other than TCU, the individual's academic dean must approve the coursework as applying toward a TCU degree. It is the student's responsibility to notify our office after completing summer coursework.

#### **Section VII – Schedule of Completion of Degree Requirements- Part Time**

Satisfactory academic progress is evaluated at the conclusion of each fall and spring semester.

A student who is registered as a part time student and completes fewer than the required number of hours may attend summer school to re-establish eligibility for financial aid. If the student attends an institution other than TCU, the individual's academic dean must approve the coursework as applying toward a TCU degree. It is the student's responsibility to notify our office after completing summer coursework.

#### **Section VIII - Financial Assistance Probation**

A student will be expected to maintain satisfactory academic progress (TCU cumulative GPA) as defined in Section(s) I, II, III, and IV while in attendance. If the student does not maintain the requirements, he/she will be placed on financial aid probation. Failure to maintain the requirements will result in financial aid suspension. If a student is placed on academic or continued academic probation a second time during his/her academic career, the student will be placed on financial assistance suspension.

#### **Section IX - Financial Assistance Suspension**

Financial assistance suspension is the loss of aid for a specific period. The student will not be allowed to participate in any university, state or federal programs, including all educational loan programs. A student will remain on financial aid suspension until he/she is removed from academic probation.

#### **Section X - Appeals Procedure**

If a student is denied financial aid or academic scholarship because of lack of satisfactory academic progress, he/she may appeal the loss of aid. Appeals must be made in writing to the Scholarship Advisory Committee. (Appeal applications are available in the Office of Scholarships and Student Financial Aid and in the forms library at <http://my.tcu.edu>). The Scholarship Advisory Committee will meet June 30 and August 1 to review appeals for the fall semester. The Committee also meets in early January for the spring semester. Appeals must be received in the financial aid office by June 30 for the June meeting and August 1 for the August meeting. You may contact the Office of Scholarships and Student Financial Aid for the deadline to submit appeals for the January meeting. The student will be notified of the decision as soon as possible after the Committee meets.

#### **Section XI - Reinstatement of Aid**

If the appeal is denied or a student does not appeal, one of the following conditions must be satisfied before the student is eligible to receive aid again.

A student must attend TCU without the benefit of financial aid for two full semesters during the regular academic year. In addition to maintaining the cumulative grade point average, the student must also satisfy the requirements outlined in Section VI and VII before aid is reinstated.

#### **OR**

A student can cease enrollment at TCU for two full semesters during the regular academic year. Assistance will be reinstated for one semester upon the student's re-admittance. Renewal of aid for the next semester will be based upon compliance with Sections I, II, III and IV. Please note, hour requirements are not monitored for students ceasing enrollment.

#### **Section XII**

If an appeal or summer school work makes a student eligible for aid for the following year, the student will be considered for all aid for which he/she is eligible and for which funds are still available on the date eligibility is reinstated.

## Accreditations

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### Overview

Accreditations provide evidence of TCU's high educational standards. Throughout the higher education system, numerous examining bodies-boards, agencies, commissions-attest annually the credibility of a university's education program. These bodies review and assess the worthwhileness of an institution's offerings.

TCU is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award bachelor's, master's and doctoral degrees.

The institution's membership in numerous academic societies provides further evidence of high standards. Of particular note are Phi Beta Kappa and Sigma Xi. Phi Beta Kappa, the prestigious academic society in the liberal arts, approved TCU for membership in 1970. TCU is also approved for a chapter of Sigma Xi, the Scientific Research Society of North America.

### Program-related Accreditations

*Several individual programs and departments are accredited by discipline specific bodies.*

Accrediting Council of Education in Journalism and Mass Communication (Schieffer School of Journalism)

American Chemical Society (Department of Chemistry)

ASHA Council on Academic Accreditation (Department of Communication Sciences and Disorders)

Association to Advance Collegiate Schools of Business (M. J. Neeley School of Business)

Board of Nurse Examiners for the State of Texas (Nursing)

Commission on Accreditation for Allied Health Education Programs (Athletic Training Program)

Commission on Accreditation for Dietetics Education of The American Dietetic Association (Coordinated Program in Dietetics; Didactic Program in Dietetics) (Department of Nutritional Sciences)

Commission on Collegiate Nursing Education (Nursing)

Computing Accreditation Commission of the Accreditation Board for Engineering and Technology (Department of Computer Science)

Council for Interior Design Accreditation (Interior Design Program in the Department of Design, Merchandising, and Textiles)

Council on Accreditation of Nurse Anesthesia Educational Programs (School of Nurse Anesthesia)

Council on Social Work Education (Department of Social Work)

Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (Department of Engineering)

National Association of Schools of Music (School of Music)

Southern Association of Colleges and Schools, Council on Accreditation and School Improvement (Starpoint School)

Southern Association of Independent Schools (Starpoint School)

Texas Education Association (School of Education)

## Milestones of TCU History

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### Overview

**1873**

Founded as AddRan Male and Female College, Thorp Spring, Texas. Addison Clark, president (until 1899).

**1889**

Property given to the Christian Churches of Texas, name changed to AddRan Christian University; J. J. Jarvis president of the board (until 1895).

**1895**

Moved to Waco, Texas, December; Col. J. Z. Miller, president of board (until 1899).

**1899**

T. E. Shirley, president of board (until 1909).

**1902**

Named changed to Texas Christian University; E. V. Zollars, president (until 1906).

**1906**

Clinton Lockhart, president (until 1910).

**1909**

T. E. Tomlinson, president of board (until 1917).

**1910**

Main building at Waco destroyed by fire, March 22; the University moved to Fort Worth with classes in downtown buildings, September.

**1911**

Frederick Kershner, president (until 1915); school opened on present campus with Main Building, Jarvis and Goode Halls, September; first endowment received, \$25,000, from L. C. Brite.

**1912**

Fort Worth Medical College adopted as medical department; charter member of the Association of Texas Colleges.

**1913**

Original Clark Hall completed.

**1914**

Brite College of the Bible founded, Brite Hall erected.

**1915**

School of Law added, E. R. Cockrell, principal.

**1916**

E. M. Waits, president (until 1941); S. J. McFarland, president of the board (until 1927).

**1918**

Medical College closed due to rising costs.

**1920**

Endowment of \$300,000 attained; School of Law closed.

**1921**

Gymnasium building completed; recognition by and aid from General Education Board; elected to membership in the Association of American Colleges.

**1922**

Elected to membership in Southern Association of Colleges and Schools, including accreditation; became member of the Southwest Athletic Conference.

**1923**

Jubilee celebration of fiftieth anniversary; \$500,000 endowment achieved; the Mary Coutts Burnett Trust received.

**1925**

Mary Coutts Burnett Library opened.

**1926**

Graduate School organized, first fieldhouse built.

**1927**

Van Zandt Jarvis, president of board (until 1940).

**1928**

University placed on approved list of Association of American Universities.

**1930**

New stadium erected on West Campus; University placed on approved list of American Association of University

Women.

**1935**

University became charter member of the Southern University Conference.

**1936**

Evening College made distinct administrative unit.

**1938**

School of Business organized.

**1939**

Silver anniversary of Brite College of the Bible celebrated.

**1940**

R. H. Foster, president of board (until 1941).

**1941**

M. E. Sadler, president (until 1959, when became chancellor until 1965); L. D. Anderson, president of board (until 1954); Brite College accredited by American Association of Theological Schools.

**1942**

Foster Dormitory completed.

**1943**

University reorganized into seven schools and colleges.

**1946**

Harris College of Nursing added as eighth academic unit.

**1947**

Tom Brown Dormitory, E. M. Waits Dormitory completed.

**1948**

Jubilee celebration of seventy-fifth anniversary of University; \$5,000,000 endowment achieved; stadium enlarged to 33,500 capacity.

**1949**

Ed Landreth Hall and auditorium (Fine Arts) completed.

**1950**

TCU Summer School in Mexico established at Monterrey Tech.

**1952**

Winton-Scott Hall of Science completed.

**1953**

Stadium enlarged to 37,000 capacity; old fieldhouse burned.

**1954**

Religion Center completed; Milton Daniel, chairman of board (until 1958).

**1955**

Brown-Lupton Student Center, Pete Wright Dormitory completed; Jarvis Dormitory renovated.

**1956**

TCU-Amon G. Carter Stadium expanded to 47,000 capacity. Ranch Management Program established.

**1957**

Dan D. Rogers Hall (School of Business) completed; Milton E. Daniel and Colby D. Hall Dormitories completed.

**1958**

Lorin A. Boswell, chairman of board (until 1969); estate of Milton E. Daniel left in trust to University; Mary Couts Burnett Library enlarged; Sherley Dormitory completed, new Clark Dormitory built on site of Goode Hall; Bailey Building (old Brite Hall) renovated for School of Education.

**1959**

First Ph.D. programs approved; title of chief administrative officer changed from President to Chancellor.

**1960**

M. E. Sadler Hall (administration and classrooms) completed on site of original Clark Hall; first students enrolled in Ph.D. programs in physics and psychology.

**1961**

Dave Reed Hall (old Administration Building) rebuilt for classrooms, faculty offices, second cafeteria; sale of adjacent Worth Hills Golf Course to the University approved by voters of the city.

**1962**

Daniel-Meyer Coliseum built, seating 7,166; Ph.D. programs in English and mathematics inaugurated; University elected to membership in College Entrance Examination Board and as a sponsor of the Oak Ridge Institute of Nuclear Studies; Computer Center put into operation; Institute of Behavioral Research established.

**1963**

Worth Hills Golf Course acquired for future expansion; Brown-Lupton Health Center completed; Ph.D. program in

chemistry begun.

**1964**

Five residence halls and cafeteria completed on Worth Hills property.

**1965**

Ph.D. program in history inaugurated; endowment of over \$27,000,000 reached; Dr. M. E. Sadler retired as Chancellor (July 1); Dr. James M. Moudy elected Chancellor and inaugurated Nov. 19.

**1966**

Approved faculty leaves with pay; authorized creation of "The TCU Press;" received \$3.4 million matching grant from Sid W. Richardson Foundation toward construction of Science-Research Center.

**1967**

Named School of Business "M. J. Neeley School of Business;" began participation in TAGER (The Assn. for Graduate Education and Research in North Texas) TV network; approved formation of a Faculty Assembly and Senate; Brown-Lupton Student Center expanded.

**1968**

Adopted new academic calendar with fall term ending before Christmas; established Pastoral Care and Training Center.

**1969**

Dr. M. J. Neeley chairman of board (until 1972); approved "New Century" program and goal; Leo Potishman Tennis Center completed; Bellaire North and Princeton House apartments purchased for student housing.

**1970**

Completed Sid W. Richardson Physical Sciences Building, Annie Richardson Bass Building for Harris College of Nursing and Home Economics and a new living-learning residence hall (named during 1971-72 session for Dr. and Mrs. Solomon Brachman); Phi Beta Kappa Chapter established February 24.

**1971**

Completed Cyrus K. and Ann C. Rickel Health and Physical Education Building and new women's residence hall (named during 1972-73 session for Mary Lipscomb Wiggins); formed Centennial Commission to plan 100th year observance during 1973; Friends of the Texas Christian University Libraries organized January 28; Tom Brown Hall renovated and refurnished.

**1972**

Administration reorganized into two major areas: academic and support, each headed by a vice chancellor; Theodore P. Beasley elected chairman of board; Waits and Milton Daniel Halls renovated and refurnished.

**1973**

Celebrated centennial year; \$35 million achieved during New Century campaign for capital, operating and endowment funds; "Old Gym" remodeled for Division of Ballet, "Little Gym" as annex for Department of Art.

**1974**

William C. Conner elected chairman of board; Chancellor J. M. Moudy received grant from the Danforth Foundation for leave of absence during spring semester, Vice Chancellor and Provost Howard G. Wible named Acting Chancellor during that time.

**1975**

Miller Speech and Hearing Clinic building completed.

**1976**

Mary Potishman Lard Tennis Center completed for public and University use; third floor added to Annie Richardson Bass Building.

**1977**

Addison and Randolph Clark Society established to recognize donors of \$1,000 or more annually; Texas Growth Companies Endowment Fund established.

**1978**

Ground broken for J. M. Moudy Building for Visual Arts and Communication (dedicated March 26, 1982); new building for Starpoint School completed.

**1979**

Graduate program re-organized by school and college, replacing Graduate School; Bayard Friedman elected chairman of board; Martin-Moore Hall named; Dr. James M. Moudy retired as chancellor, succeeded on Sept. 5 by Dr. William E. Tucker (inaugurated April 16, 1980).

**1980**

Brite Divinity School passes \$7.5 million goal of its first fund-raising campaign; goal of \$10 million to expand library achieved.

**1981**

Library collection passes one million items; \$5 million endowment for financial aid received from Theodore and Beulah Beasley Foundation.

**1982**

The 40,000th graduate received a degree at summer commencement; addition almost doubling size of the library occupied (dedicated March 25, 1983).

**1983**

Endowment reaches and passes \$100 million for first time; appointments made to The 1990s Project: A



Commission on TCU and the Future; Chancellor William E. Tucker elected to two-year term as moderator of the Christian Church (Disciples of Christ).

**1984**

Expansion of building for M. J. Neeley School of Business approved; suggestions received from The 1990s Project; football team gains national attention and plays in Bluebonnet Bowl.

**1985**

Limitations placed on freshman, transfer enrollments; duties of vice chancellor for administrative services and student affairs divided among two positions as fifth vice chancellor is added.

**1986**

Construction of new residence hall approved.

**1987**

Groundbreaking for Tandy Hall expansion of M.J. Neeley School of Business and Moncrief Hall, a new residence hall; School of Fine Arts re-named College of Fine Arts and Communication; new University Curriculum Requirements approved.

**1988**

Academic Services Center put into full operation; Moncrief Hall dedicated.

**1989**

Tandy Hall dedicated; endowment passes \$200 million.

**1990**

John Roach elected chairman of board; 50,000th graduate receives degree; more than \$3 million in gifts assure permanence of Ranch Management Program; priorities for academic initiatives in the 1990s include a program in engineering, stronger focus on Ph.D. programs, strengthened international study opportunities for faculty and students.

**1991**

Master plan for the physical campus completed and approved; central dining hall renovated for \$2.2 million.

**1992**

First freshmen admitted to new engineering program; Winthrop Rockefeller Building for Ranch Management completed (dedicated January, 1993); first "global theme semester" held and student exchange with Universidad de las Americas - Puebla approved; \$15 million bequest from estates of B.M. and Frances Britain received.

**1993**

Board of Trustees approve planning of a comprehensive fund-raising campaign, the first in a quarter century; endowment passes \$400 million.

**1994**

The Walsh Complex, a \$2.5 million expansion of the athletics weight training and rehabilitation center, is built; when the Southwest Conference acts to disband after 1995, TCU joins the Western Athletic Conference, then wins the SWC football co-championship and plays in Independence Bowl; The Next Frontier Campaign is publicly announced with a \$100 million goal, with \$61 million raised or committed during the "silent phase" of the five-year campaign.

**1995**

Ground is broken for the \$6 million Dee J. Kelly Alumni and Visitors Center (dedicated at Homecoming 1996); computer/information technology extended to all residence hall rooms; pre-enrollment "Frog Camp" becomes integral to freshman program.

**1996**

First class of engineering students awarded degrees; faculty expanded by ten primarily to enhance freshman seminar program; ground broken for \$11.5 million F. Howard and Mary D. Walsh Center for the Performing Arts; renewal/reconfiguration of residence halls approved.

**1997**

The combined TCU/Brite endowment exceeds \$750 million after completion of the five-year Next Frontier Campaign which raised more than \$126 million; Pete Wright Hall razed to make way for the Tom Brown/Pete Wright residential community, completed in 1998; the Department of Engineering receives accreditation; TCU establishes partnership with Columbia University to send students to Biosphere II.

**1998**

The Mary D. and F. Howard Walsh Center for Performing Arts dedicated; the TCU London Centre, the University's first permanent overseas facility, opens its doors to the first class of students in the fall; Chancellor William E. Tucker retires after 19 years of service, paving the way for the University's ninth chancellor, Michael R. Ferrari; the department of music renamed the School of Music and becomes one of the country's few all-Steinway schools. TCU defeats USC in the Sun Bowl, 28-19.

**1999**

Tom Brown/Pete Wright Residential Complex, housing upperclassmen in apartment style quarters, opens in January; work begins on the William E. and Jean Jones Tucker Technology Center; Commission on the Future of TCU kicks off in fall; Lowdon track is dedicated; ground is broken for 35,000 square-foot Justin Athletics Center; Frogs beat East Carolina 28-14 in the Mobile Alabama Bowl; Trustees approve an aggressive program to improve classroom technology and hire 21 new faculty.

**2000**

Schools and colleges reorganized from five to seven--AddRan College of Humanities and Social Sciences, M.J. Neeley School of Business, the College of Communication, the School of Education, the College of Fine Arts, the College of Health and Human Sciences, and the College of Science and Engineering; the James A. Ryffel

Entrepreneurship Center established; TCU parents Steve and Sarah Smith donate \$10.5 million for an entrepreneurship facility, the largest private gift in University history; Brite's Leibrock Village dedicated; Running back LaDainian Tomlinson becomes the third Frog to run for the Heisman, placing 4th in the nation in the final vote and earning the Doak Walker Award; Frogs end with an 10-2 football season and go to their third consecutive bowl game -- the Mobile Alabama Bowl; In November, the university signs an agreement with the Universidad de las Americas in Puebla, Mexico, allowing students from both universities to earn degrees in communication from both institutions simultaneously.

### 2001

Spring closes the most successful athletics program in school history as the University leaves the Western Athletic Conference and joins Conference USA; In February, TCU Board of Trustees approved a new flat-rate pricing structure that better aligns TCU with other prominent private universities and reflects the value of the complete "TCU Experience"; Gary Patterson becomes the 29th head coach in the history of the TCU football program and takes the Horned Frogs their 4th consecutive post-season appearance -- The galleryfurniture.com Bowl; Harris School of Nursing launches an online master's degree to allow RNs with a bachelor of science degree to complete their master's in two years, and RNs with an associate of arts degree to complete the program in three; the women's basketball team wins the WAC regular season title and post-season tournament, earning the Lady Frogs their first-ever appearance in the NCAA Tournament; In May, the James A Ryffel Center for Entrepreneurial Studies sponsors the first-ever Entrepreneurial Summit, a networking and idea-sharing event; Construction begins on the Sarah and Steve Smith Entrepreneurs Hall; M.J. Neely School of Business launches a Center for Supply and Value Chain Studies; Men's Head Basketball Coach Billy Tubbs announces he will step down at the end of the season. He compiles a 156-95 record including a regular season WAC division title in eight seasons; Mary Coats Burnett Library expands its computer lab to 100 computers and adds Bistro Burnett, a coffee bar in the library's foyer; The University begins a three-year \$30 million plan to upgrade about 80 classrooms and laboratories with new lighting, ceilings, furniture and audio-visual equipment and renovate several residence halls.

### 2002

The M.J. Neely School of Business makes plans for the Luther King Capital Management Center for Financial Studies; The School of Education announces a Center for Urban Education that will form a coalition of teachers, principals and TCU faculty and students to turn neglected inner-city schools into thriving environments; Mary Coats Burnett Library establishes Information Commons, a combination reference help desk and computer troubleshooting center; Construction begins on 2,220-seat Lupton Stadium, the new home for the baseball team; William E. and Jean Jones Tucker Technology Center opens for engineering, computer science and mathematics; Neil Dougherty becomes the 18th head coach in the history of TCU men's basketball; a School of Anesthesia opens within the College of Health and Human Sciences; the football team wins its fifth consecutive bowl game, beating Colorado State 17-3 in the Liberty Bowl in Memphis, Tenn., and ending the season 10-2 with a No. 22 ranking.

### 2003

The Steve and Sarah Smith Entrepreneurs Hall opens; Victor J. Boschini Jr. becomes TCU's 10th leader when he takes office as chancellor; Chancellor Michael R. Ferrari retires after leading the University for five years; D. Newell Williams becomes the eighth president of Brite Divinity School; Monnig Meteorite Gallery opens; Baseball Coach Lance Brown, TCU's all-time winningest coach, retires after 17 years and 517 victories, Jim Schlossnagle is named his successor and the new stadium hosts its first game; the freshman class was the largest and smartest group ever at 1,596 with an average SAT of 1168; the Frogs lost to Boise State 34-31 in the Inaugural Fort Worth Bowl after an 11-1 season pushed them into the national media spotlight with talk of a BCS game if they went undefeated; tuition rose to \$19,700, a 11.9 percent increase; Vision in Action: Planning TCU's Future was launched to develop a long-range strategic plan; purple gowns were instituted for graduation.

### 2004

Victor J. Boschini, Jr. is inaugurated as the 10th chancellor; R. Nowell Donovan is named provost; D. Newell Williams is inaugurated as the 8th president of Brite Divinity School; TCU accepts a bid to join the Mountain West Conference; Daniel Short is named dean of the M.J. Neeley School of Business; Chancellor Emeritus James Mattox Moudy dies; Bronson Davis, vice chancellor for advancement for 14 years, retires; architectural plans are drawn up for a new Veterans Plaza; Baseball team makes regionals for the second time ever.

### 2005

Approval for a \$100 million Vision in Action plan to add four residence halls, a university union and a green-space commons to the heart of the campus; construction begins on renovation and expansion to triple the size of the School of Education; Veterans Plaza memorial to alumni and students erected; M.J. Neely School of Business ranked 18th in the nation by *Wall Street Journal Guide*; Journalism School named for Bob Schieffer; new core curriculum instituted; Football wins Mountain West championship and Houston Bowl; Baseball wins last Conference USA championship; Women's basketball makes sixth consecutive appearance in NCAA Tournament; Baseball pitcher Lance Broadway drafted by Chicago White Sox in first round.

## Mission, Vision and Values

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### MISSION

**TCU educates individuals to think and act as ethical leaders and responsible citizens in the global community.**

### VISION

**Our vision is to be a prominent private university recognized for our global perspective, our diverse and supportive learning community, our commitment to research and creative discovery, and our emphasis on leadership development.**

### VALUES

**TCU values academic achievement, personal freedom and integrity, the dignity and respect of the individual, and a heritage of inclusiveness, tolerance and service.**

### Our Heritage, Philosophy and Goals

Texas Christian University, founded in 1873, has grown from a small school on the cattle frontier to a major center of independent higher education in a dynamic city. As agents of change in our time as our predecessors were in theirs, we—faculty, staff, students, and trustees—are united in striving for the constant improvement of the University.

A community dedicated to learning, the University affirms its commitment to rationality, objectivity, diversity, freedom of inquiry, creativity, and civility. TCU is committed as well to the preservation, appraisal, and transmission of knowledge and wisdom and to the discovery of new ideas and knowledge by which the understanding of truth may be extended or corrected.

An independent and self-governing institution, TCU attests that a representative democracy provides the context within which free inquiry may best be protected and encouraged; and the University acknowledges that independent higher education can thrive only in an economic system which prompts and rewards individual initiative. TCU has an historical and intentional connection with a religious body, the Christian Church (Disciples of Christ), that embraces pluralism, rejects sectarian narrowness, encourages a reasoned faith, and affirms the rights of informed individual conscience in religious preference. The University welcomes students, faculty and staff of all religious faiths and takes pride in the diversity of its academic community.

Much of the knowledge students seek is related to their specific career goals. The University, however, regards as essential the advancement and communication of general knowledge which enables students to understand the past, to comprehend the natural and social order, to search for the good and the beautiful, and to integrate knowledge into significant wholes.

Education fosters the capacity for rational decision-making, creative thinking and expression, and responsible living. Though knowledge may be treated as ethically neutral, we believe that questions of value are vital and that the exploration of the moral and religious dimensions of human existence is basic to the love of wisdom. At the center of the educational endeavor are people. Affirming the incalculable worth of each individual, TCU seeks to be a caring community, encouraging close working relationships among all members of the University and challenging students, faculty and staff alike to high achievement. In such a setting, the enhancement of mental, physical and spiritual gifts contributes to the integration of the self and to the enrichment of the community and humankind.

TCU provides undergraduate and graduate instruction in a vital and inviting residential setting for learning and living.

We intend to maintain and establish only undergraduate and graduate programs that are aimed toward excellence, the well-being of students and the wholeness of the University. We believe there must be a general compatibility among the values and daily practices of the University and its several units.

Among our many goals are the following:

- To conduct curricular and co-curricular activities designed to fulfill the mission and vision of the University.
- To foster undergraduate and graduate studies of excellent quality.
- To provide faculty and staff of high qualification and dedication.
- To expect and encourage excellent teaching and fruitful creativity and research.
- To preserve and contribute to knowledge by aiding in its organization, storage, retrieval, and dispersal; and to use appropriate technology to this end.
- To employ admission, advising, and retention policies that will enable qualified and dedicated students to enter and to pursue successfully their collegiate work.
- To provide a variety of support services that will enhance the educational experience of all students.
- To promote the development of mature individuals who respect others, who cherish a free and just society, and who are prepared to act as responsible citizens, literate, broadly informed, self-educating, appreciative of arts and of the fruitful uses of leisure, and capable of both entering and changing careers.
- To support co-curricular as well as curricular opportunities for an informed understanding of religious tradition.
- To contribute to the quality of life, work and leisure of citizens in the surrounding metropolitan area through regular instructional programs, continuing education, cultural and intellectual events, research, and through participation of faculty and staff in civic, religious, and other affairs;
- To earn the growing support from those who share the conviction that strong, independent institutions of higher learning are necessary to the continuation of a free society.



## Material Resources

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### Overview

Through the generous gifts and bequests of friends over the years, the University has accumulated endowment funds with a market value nearing 1 billion dollars.

A significant portion of this is the result of a magnificent gift by Mrs. Mary Coutts Burnett in 1923. The Burnett Fund makes up a major portion of the University's endowment.

Another large portion of the University endowment was made available through the bequest of the late Milton E. Daniel of Breckenridge, who was chairman of the Board of Trustees at the time of his death in 1958. His entire estate was left in trust to the University.

Bequests by B.M. and Frances Britain of Amarillo, brought more than \$15 million to the University's endowment in 1991-92.

Fully endowed chairs, several professorships, lectureships and many endowed scholarships have been contributed by individuals, charitable foundations, and churches.

### Chairs and Professorships

A named academic position may be created by an endowed amount consistent with recently adopted guidelines.

**The Abell-Hanger Professorship of Gerontological Nursing** was endowed for the Harris College of Nursing as the result of a challenge grant offered by Mrs. George T. Abell '26 and the Abell-Hanger Foundation. The holder of the professorship is Dennis Cheek.

**The William L. and Betty F. Adams Chair of Education** was established in the School of Education by an endowment from Mr. and Mrs. William L. Adams. The chairholder is Stephen Weis.

**The Charles F. and Alann P. Bedford Professorship of International Business** was established through a bequest gift from Dr. Alann P. Bedford, who was awarded the honorary Doctor of Laws degree in 1973. She was a TCU Trustee 1975-1988. This position aids the Neeley School in emphasizing the increasingly global nature of business. The holder of the professorship is William C. Moncrief III.

**The John Biggs Professorship in Ranch Management** was established from a gift from the E. Paul and Helen Buck Waggoner Foundation in 1992. The holder of the professorship is James E. Link.

**The Stan Block Chair in Finance** was established in the M.J. Neeley School of Business in 2001 through the generous gifts of M.J. Neeley School of Business alumni and friends. The chair is held by Stanley B. Block.

**The A.A. Bradford Chair of Religion** was established by Mrs. L.K. Helen Bradford, in memory of her husband, A.A. "Jack" Bradford, an alumnus and trustee of TCU. The holder of the chair is David M. Gunn.

**The I. Wylie and Elizabeth M. Briscoe Professorship** was established in Brite Divinity School in honor of the Briscoes. The holder of the professorship in Hebrew Bible is Toni Craven.

**The Harold Glen Brown Lecturer in Pastoral Ministry** was established in Brite Divinity School by Mr. and Mrs. Robert M. Leibrock of Midland, Texas. This position is held by Bryan G. Feille.

**The Herman Brown Chair of Political Science** was created through an endowment grant by The Brown Foundation, Inc. of Houston to recognize distinguished achievement in the field of political science. The chair is held by Donald W. Jackson.

**The Philip J. and Cheryl C. Burguieres Distinguished Professorship in Communication Studies** was established by Mr. and Mrs. Philip J. Burguieres of Houston, Texas. Holder of the professorship is Ralph R. Behnke.

**The Burnett Ranches Endowed Professorship in Ranch Management** was established in 1990 by the Anne Burnett and Charles Tandy Foundation. The holder of the professorship is Kerry L. Cornelius.

**Charles Fischer Catholic Professorship of New Testament** was established in Brite Divinity School in 2004 with a gift from an anonymous donor and provides material support to Brite's vision as an ecumenical seminary. The position is held by Carolyn Osiek.

**Cecil H. and Ida Green Distinguished Emeritus Tutor** was funded by an endowment from Drs. Cecil H. and Ida Green. This position provides an opportunity to name an emeritus tutor from among the ranks of TCU's emeritus faculty on a year-to-year basis. The position is held by William H. Watson of the Chemistry Department and Ronald B. Flowers of the Religion Department.

**Cecil H. and Ida Green Honors Chair**, established by Drs. Cecil H. and Ida Green of Dallas, enables the University to bring to its campus many nationally known visiting scholars, scientists, writers and other career persons on a rotating appointment program.

**The Luther Henderson University Chair in Leadership** was established in the M.J. Neeley School of Business by an estate gift from Mr. Luther A. Henderson. The chair holder will be named.

**The Harold D. and Imogene Herndon Professorship of Geology** was contributed by Dr. and Mrs. Herndon in 1978. The holder of the professorship is Richard E. Hanson.

**The Harold D. and Imogene Herndon Professorship of Music.** Established in 1978 by a gift from Dr. and Mrs. Herndon, the professorship is held by John Owings.

**The Houston Livestock Show and Rodeo Professorship** was established in the TCU Ranch Management Program by the Houston Livestock Show and Rodeo Educational Fund. The holder of the professorship is Jeffrey C. Geider.

**The Lyndon B. Johnson Chair of United States History** was created through an endowment grant by The Brown Foundation, Inc. of Houston to honor the late president of the United States and to recognize distinguished achievement in the field of U.S. history. The position is presently held by Mark T. Gilderhus.

**The Kay and Velma Kimbell Chair of Art History** was established through an endowment grant by the Kimbell Art Foundation in 1994. The chair is held by Mark E. Thistlethwaite.

**The Addie Levy Professorship of Literature** was created through a bequest of Mr. Dan A. Levy. The annual income from the trust fund is used to provide this professorship of world literature. The holder of the professorship is Linda K. Hughes.

**The Robert and Maria Lowdon Chair of Business Administration** was established by an endowment from Robert and Maria Lowdon to bring to the M. J. Neeley School of Business a nationally prominent scholar in the field of business. The chair is held by Christopher B. Barry.

**The Erma and Ralph Lowe Chair in Texas History,** the first at any institution of higher education in the state, was created through an endowment gift from the Mary Ralph Lowe Foundation of Houston to honor Ms. Lowe's parents. The chair is presently held by David Gregg Cantrell.

**Alberta H. and Harold L. Lunger Professorship of Spiritual Resources and Disciplines** honors two lifelong ministers and teachers. Alberta Lunger was the first woman to be awarded an honorary Doctor of Divinity degree by TCU. Harold Lunger was Professor of Christian Ethics in Brite Divinity School 1956-1977. The holder of the professorship is Susan J. White.

**The Charles B. Moncrief Chair of Geology** was established by Mr. and Mrs. W.A. Moncrief, Jr., in honor of their son, Charlie Moncrief '72, in 1984. The chair is held by R. Nowell Donovan.

**The W.A. "Tex" Moncrief, Jr., Founding Chair of Engineering** was established in 1991 by Mr. and Mrs. Moncrief. The holder of this position is Edward S. Kolesar, Jr.

**The W.A. "Tex" Moncrief, Jr. Chair of Physics** was also established by Mr. and Mrs. Moncrief in late 1984. The chair is held by C.A. Quarles.

**The M.J. Neeley Professorship of Marketing** was established in 1981 to advance and strengthen the marketing program in the Neeley School of Business. The professorship is held by Charles W. Lamb, Jr.

**The Neville G. Penrose Chair of Latin American Studies** was established in 1985 by an anonymous gift to honor Dr. Penrose's interest in Latin American/United States relations. The holder of the chair is Susan E. Ramirez.

**The John William and Helen Stubbs Potter Professorship of Mathematics** was established by a gift from Deedie Potter Rose and Rusty Rose in honor of Mrs. Rose's parents. The holder of the professorship is Robert S. Doran.

**The Lillian Radford Chair of Rhetoric and Composition** was established by a gift from the Rupert Radford Estate Trust and a grant from the National Endowment for the Humanities. The holder of this position is Richard L. Enos.

**The W.F. "Tex" and Pauline Curry Rankin Professorship of Nursing** was established at Harris College of Nursing by W.F. "Tex" and Pauline Curry Rankin. The holder of the professorship is Rhonda Keen-Payne.

**Director and Jean W. Roach Chair of Laboratory Schools** was established in 2005 through the generosity of Mr. and Mrs. John V. Roach and the Roach Foundation to recognize the academic leadership in special education of the director of TCU's two laboratory schools, KinderFrogs School and Starpoint School. The position is currently held by Marilyn Tolbert.

**Dean and John V. Roach Chair of the M.J. Neeley School of Business** was established in 2005 through the generosity of Mr. and Mrs. John V. Roach and the Roach Foundation to recognize the academic leadership and national prominence of the dean of the M.J. Neeley School of Business. Dr. Daniel Short is the current dean and chair holder.

**The Deedie Potter Rose Chair of Art History** was established in 2004 through a generous gift by Deedie Rose Potter to bring to the Department of Art and Art History a nationally prominent scholar in the field of contemporary art. The chair is held by Frances J. Colpitt.

**The Rosalyn and Manny Rosenthal Chair of Judaic Studies** was created by a gift from E.M. "Manny" Rosenthal and his wife Roz in 1997. The endowment will support a chairholder who will serve as a faculty member in Brite Divinity School and direct teaching and research in Jewish Studies for Brite and TCU.

**The Saul B. Sells Chair of Psychology** was established by a bequest of the late Dr. Sells, who founded TCU's original Institute of Behavioral Research in 1962. The position is held by D. Dwayne Simpson.

**The Lorraine Sherley Professorship of Literature** was created through a bequest by Dr. Lorraine Sherley, a former professor in TCU's English Department. The professorship was established in 1984 and is held by Sharon Harris.

**The Southwestern Exposition and Livestock Show Professorship in Ranch Management** was established in 1998 by the Southwestern Exposition and Livestock Show. The holder of the professorship is Bryan C. Vasseur.

**The Granville T. and Erline H. Walker Professorship in Homiletics** was established in 1991 in honor of the ministries of Granville and Erline Walker. The professorship is held by Joseph R. Jeter, Jr.

**The John F. Weatherly Professorship of Religion** was established in 1959 through an endowment gift by the A.D.. Weatherly family. The position is currently held by Daryl D. Schmidt.

**The Robert A. Welch Chair of Chemistry** was established by The Robert A. Welch Foundation of Houston to recognize distinguished achievement in the field of chemistry. The chair holder will be named.

**The Eunice and James L. West Chair of American Enterprise** was initiated by their 1980 gift. The chair provides the holder with the opportunity to communicate-through teaching, public outreach and research-an accurate and objective understanding of the purposes, functions and operations of American business organizations. The chair is held by David W. Cravens.

**The C.R. Williams Professorship of Financial Services** was established by the family of C.R. Williams to bring an outstanding scholar in the financial services area to the M.J. Neeley School of Business. The post is held by Larry J. Lockwood.

### Named Lectureships

The following named lectureships, either annually funded or endowed, have been established:

**The Earl E. Dyess Lectureship in Marketing** was established by Jack Blanton, Jr., in honor of his father-in-law.

**The Frost Foundation Lectureship for Global Issues** was established by the Denver-based Frost Foundation. This endowed lectureship provides for a series of speakers of international stature who can discuss, from personal or professional experience, topics related to preparing students and faculty members to live and work in a global society.

**The Gates of Chai Lectureship** was endowed through the generosity of Gates of Chai, Inc., in memory of Larry Kornbleet and family members of Stanley and Marcia Kornbleet Kurtz who perished in the Holocaust.

**The JoAnn Houston Outstanding Contemporary Lecture Series** honors JoAnn Houston, a School of Education staff member and longtime educator who died in 1995. Memorial gifts from family and friends and additional funding by the University established this endowed lecture series. The School of Education coordinates bringing to campus outstanding educational thinkers on contemporary concerns.

**The McFadin Lectures** are supported annually from the McFadin Fund.

**The Joseph Morgan Physics Lectureship** is funded by the generosity of alumni and friends of the Physics Department at TCU. It was created in memory of Dr. Joseph Morgan, an honored teacher and noted author who drew regional and national attention to the University.

**The W.F. "Tex" and Pauline Curry Rankin Lectureship in Nursing** was established in 1998. This endowed lectureship brings to campus national leaders in interdisciplinary areas related to health and nursing.

**The Ann L. Rhodes Fund for Theatre Guest Artists** was established in 1997 by Ann L. Rhodes to bring to the campus nationally and internationally known theatre artists who are expected to enhance the theatre program by sharing their knowledge and experiences with students.

**The Ruth Evelyn Sanders Memorial Lectureship** was established in 1994 through a bequest gift by Dr. Ruth Evelyn Sanders, TCU '39 and longtime educator. A chemistry major at TCU, Dr. Sanders directed that her gift establish a lectureship in that discipline.

**The Oreon E. Scott Lectures**, funded by the Oreon E. Scott Foundation, provide for an outstanding lecturer on "Crucial Current, National, and International Issues from the Christian Point of View."

**The Nancy Quarles Stuck Art History Lecture Fund** is provided by Mrs. Hosmer B. Stuck of Fort Worth. One of TCU's first recipients of a bachelor's degree in art history, Nancy Stuck directed her gift to that discipline. When funding is complete, this fund will help expand the scope of the Art History Program.

**The Wells Sermons** are financed by the East Dallas Christian Church honoring its former minister, Dr. L.N.D. Wells.

**The Speaker Jim Wright Symposia Series Endowment** was created to support an annual symposium that examines, from a nonpartisan and non-ideological perspective, a contemporary political issue. Outstanding scholars and practitioners from around the country are brought to the TCU campus to participate in this one or two-day event.

### Research and Departmental Funds

**The Carl T. and May Anna Anderson Fund for Geology** was established by Mr. and Mrs. Anderson '41 '41 to provide budget support for the Department of Geology. This endowed fund is used to provide scholarship assistance, instructional equipment purchases, reference materials, field trips, and for support of the instructional budget.

**The Buschman Fund for Theatre** was established by Mr. Robert Buschman and Ms. Jerita Foley Buschman to provide budget support for the Theatre Department and especially for theatre production activities.

**The William M. Dickey Entrepreneur in Residence Fund** was established by a gift from the estate of Houston real estate developer William M. Dickey. Currently, David Minor holds the Entrepreneur in Residence position.

**The Fogelson Honors Forum** was established through a gift from the estates of Buddy Fogelson and his wife

Greer Garson. The Forum brings renowned speakers, eminent scholars and professional practitioners to campus to address TCU students, staff and faculty as well as the Fort Worth-Dallas community.

**The Robert E. Glaze Endowment Fund** was established through a gift from Mr. and Mrs. Robert E. Glaze of Dallas.

**The Mark Henderson Art History Endowment** was established through a gift from Mr. Henderson of Los Angeles, California to provide support for students and faculty in the Art and Art History Department.

**The Lucile Maxine Houston Endowed Fund** was established through a bequest from Ms. Houston to benefit the Harris College of Nursing.

**The Mary E. Hughes Student Loan Fund** was established through a bequest from Ms. Hughes to fund student loans at TCU.

**The Ranch Management Institute** was founded by gifts from two anonymous donors and from the William A. and Elizabeth B. Moncrief Foundation and Edward P. Bass. The Institute's mission is to encourage networking and continuing education among the Ranch Management Program's graduates and cattle industry leaders, and to expand the existing program's reach internationally.

**The Jim and Wyn Jacobsen Band Fund** was funded by the TCU Ex-Bandsmens' Association in honor of Jim Jacobsen, former TCU band director, and his late wife, Wyn.

**The Luther King Capital Management Funds** were established by Luther King of Dallas to benefit the M.J. Neeley School of Business.

**The Herbert and Mamie LaGrone Teacher Education Student Leadership Fund** was established by the late Mamie LaGrone in memory of her husband, Herbert, retired dean of the School of Education.

**The Ann L. Rhodes Artist-in-Residence Endowment Fund** was established by Ann L. Rhodes of Fort Worth for an artist-in-residence in the theater department.

**The Dorothy and Clarence Scharbauer, Jr. Student Life Fund** was established by Mr. and Mrs. Clarence Scharbauer, Jr. of Midland to enhance and expand student programs.

**The Sue Wheeler Smith Memorial Fund for Visiting Organists** was established by Emmet Smith, retired music faculty and his family and friends in memory of his late wife.

**The Hosmer B. Stuck Fund for Business Research** was established in memory of Mr. Stuck '41 by his widow to finance research projects of faculty members in the M.J. Neeley School of Business.

**The Wassenich Award for Mentoring in the TCU Community** was established by Mr. and Mrs. Mark Wassenich of Dallas.

**The Marion C. and F. Peter Zoch III and Family Endowment for the Center for Academic Services** was established by Mrs. Marion C. Zoch of Mountain Home, Texas, and her late husband, Peter, for annual equipment needs of the Center for Academic Services.

#### **Endowed Scholarships**

Only the annual interest is used on endowed scholarships; the principal of the fund is held in permanent trust. The scholarships are administered by the Scholarship and Financial Aid Office unless stated otherwise.

Abell-Hanger Foundation Scholarship

Abilene Ex-Students Chapter Scholarship

Glenn P. Albers Scholarship

Tom and Bea Alexander Scholarship

Samuel Alvarez Memorial Scholarship

Harvey Anderson Scholarship in Music

L. D. Anderson Memorial Ministerial Scholarship

M. D. Anderson Foundation Nursing Scholarship

M. D. Anderson Foundation Scholarship for Pre-Medical Students

Rose W. and Raymond E. Anderson Memorial Scholarship

Bonnie Lee Arnett Memorial Scholarship

Jim F. Atchison Church Vocation Scholarship

Russell Alan Aycock Memorial Scholarship

Dr. and Mrs. Noel Bailey Special Education Scholarship

Brooke Dewey Baird Memorial Scholarship

Katherine Knight Baker Scholarship



Jesse Clyde and Thomas Wiley Ball Ministerial Scholarship  
Mr. and Mrs. W. E. Bancroft Disciples Scholarship  
Josephine Harrold Barnes Trust  
Louis H. and Madlyn B. Barnett Fellowship  
Edwin J. Barts Insurance Scholarship  
Alan and Genelle Basye Scholarship  
Raymond H. Bazemore Memorial Scholarship  
Hal and Nancy Bearden Scholarship  
Theodore and Beulah Beasley Foundation Scholarship  
Amanda Jean Beaty Scholarship  
Dorothy Mays Bell Graduate Scholarship for Speech-Language Pathology  
Edward A. Bell Scholarship  
Happy Bell Scholarship  
Heather Alter Bellomy Memorial Scholarship  
Ethel Evans Bennett Scholarship  
Dr. Arthur K. Berliner Scholarship  
Bermont Family Undergraduate Jewish Student Scholarship  
Elaine Salisbury and Stephen Bing Scholarship  
Roy and Anna Biser Memorial Scholarship  
Mr. and Mrs. William M. Blanks Memorial Scholarship  
Beatrice Bolen Piano Scholarship  
R. E. "Bob" Bolen Scholarship  
Bonds Ranch Scholarship for Ranch Management  
Bruce Lowell Boswell Scholarship  
Ed and Margie Boswell Scholarship  
Edith and V. W. Boswell Scholarship  
Robin Elise Boyer Memorial Scholarship  
Marci K. Bozarth Scholarship in Women's Golf  
Leon H. Brachman and Louis H. Barnett Scholarship  
Minda and Malcolm Brachman Honors Study Abroad Scholarship  
Mr. and Mrs. Soloman Brachman Scholarship  
Nelson Louis Brackin Scholarship  
Tom and Bess Braniff Scholarship  
Buster Brannon Basketball Scholarship  
Miss Jimmie Katherine Bratton Memorial Nursing Scholarship  
Weldon Brigance Trust Scholarship  
I. Wylie Briscoe Disciples Scholarship  
I. Wylie and Elizabeth Briscoe Scholarship  
Malcolm Samuel Briscoe Scholarship  
Broiles Journalism Scholarship  
Bill Brown Memorial Scholarship  
Elmer A. Brown Athletic Training Scholarship

Leigh Ann Brown Memorial Scholarship  
Walter E. Bryson Scholarship  
Ross Buford Memorial Scholarship  
Edmund W. and Elizabeth G. Burke Scholarship  
Jim Hillard Camp Scholarship  
Ross and Winnie Day Cannon Scholarship  
Curtis K. Canter Memorial Scholarship  
Lou Miller Canter Memorial Scholarship  
Robert L. and Sallie Carlock Scholarship  
Brion T. Carlson Scholarship  
Geneva Zulette Carson Scholarship  
Gertrude Fears Castleberry Scholarship  
Tom S. Cate, Jr. Memorial Scholarship  
Thornton Cecil Memorial Scholarship  
Barney and Edyth A. Lacy Chapman Scholarship  
I. B. Chapman, Sr., Scholarship  
Shirley Gibson Chapman Scholarship  
Chisholm Trail Round-Up Endowed Scholarship  
Floyd "Zeke" and Joan Gardner Chronister Scholarship  
Ted A. Chuman, DDS Memorial Scholarship  
Addison Clark-Randolph Clark Ministerial Scholarship  
Jerry P. and Martha C. Clark Geology Scholarship  
Warren Clark Disciples Scholarship  
Class of 1933 Scholarship  
Class of 1967 Scholarship  
Harriet V. Clay Scholarship  
Betsy Clement Scholarship  
Jack and June Clements Memorial Scholarship  
E.D. Cleveland Scholarship  
Joe B. Cobb Memorial Scholarship  
Mary Magee Cobb and Julia Magee Hartley Scholarship  
Robert Glenn Coffin Music Scholarship  
Bryant F. Collins Memorial Scholarship  
Landon A. Colquitt Scholarship  
Earl E. Combest Scholarship  
E. Constantin, Jr. Scholarship  
Mr. and Mrs. J. W. Conway Memorial Scholarship  
Charles Coody/Phi Delta Theta Golf Scholarship  
Raymond H. and Stephen R. Copeland Scholarship  
Richard and Lillie Corley Endowed Scholarship  
Kimberly Kash Ray Corona Scholarship  
Corpus Christi Ex-Students Scholarship

Arthur H. Courtade Memorial Scholarship  
Russell A. and Leila Park Cox Scholarship  
Willie Craft Memorial Scholarship  
Donald and Katherine Cram Scholarship  
Laura Lee Crane Scholarship  
Bill Crawford Athletic Scholarship  
J. Malcolm and Kati Mai Crim Scholarship  
Ann Cross Memorial Scholarship  
C. C. and Mildred Cross Scholarship  
DeRue Armstrong Curtis Memorial Scholarship  
Curtis Family Scholarship  
Melvin O. Dacus and Kathryn P. Dacus Memorial Performance Award in Musical Theatre  
Dan Danciger Memorial Scholarship  
Davidson Foundation Business Scholarship  
C. J. "Red" Davidson Scholarship  
John Perryman Davidson II Scholarship  
Bronson and Cathie Davis Endowed Scholarship  
Mr. and Mrs. William S. Davis Scholarship  
George and Rachel Deahl Memorial Ministerial Scholarship  
Roberta Smith Deason Scholarship  
Dickinson Middle Income Scholarship  
Scott Dike Memorial Scholarship  
Robert Parker Dimmitt Memorial Scholarship  
Nancy Savage Doherty Scholarship  
Donovan-Knox Journalism Scholarship  
James C. Dooley Memorial Scholarship  
Sam Y. Dorfman Memorial Scholarship  
Jeffrey B. Dudderar Memorial Scholarship  
Minnie Cahill Dunn Scholarship  
C. H. Dyar Memorial Scholarship  
F. W. and Bessie A. Dye Scholarship  
Frank B. and Vera Turbeville Edelbrock Scholarship  
Ambrose Edens Scholarship  
Ellwood Foundation Pre-Medical Scholarship  
Mary Mitchell Engle Music Scholarship  
Bonne Enlow Scholarship  
Dr. and Mrs. M. E. Ensminger Scholarship in Ranch Management  
Richard Michael Etnyre Scholarship  
Leslie P. Evans Memorial Scholarship  
W. A. Eyre and C. Johnson Scholarship  
The Faculty/Staff Holiday Card Scholarship  
Thomas Kinder Farris Scholarship

Mr. and Mrs. Johnnie P. Fears Scholarship  
Fine Arts Guild and Foundation Scholarship  
First Christian Church of Post, Texas, Disciples Scholarship  
First Christian Church of San Angelo Disciples Scholarship  
First Christian Church of Sherman Scholarship  
Bess Fish Athletic Scholarship  
Bess Fish Scholarship for Humanities  
Bess Fish Scholarship for Nursing  
Truett W. and Queenelle Flache Scholarship  
Charles T. and Mary L. Floyd Scholarship  
Fort Worth Star Telegram/George Dolan Memorial Scholarship  
Fort Worth Wildcatters Association Endowed Scholarship  
Tom and Iva Foster Scholarship  
Bayard H. Friedman Scholarship Endowment for Tennis  
William M. Fuller Ranch Management Scholarship  
Mr. and Mrs. H. B. Fuqua Scholarship  
Robert E. and Patty Gartman Scholarship  
E. K. Gaylord Memorial Scholarship  
David Gentry Memorial Ministerial Scholarship  
Albert and Mamie George Scholarship  
Thelma Stewart George Memorial Scholarship  
Tom D. Gholson Scholarship  
John Gilliland Scholarship  
Jeanette and Arthur I. Ginsburg Scholarship  
Marcus and Martine Ginsburg Scholarship  
Charles Goodnight Scholarship  
Ida M. Green Fellowship  
Kay Hubbard Green Scholarship  
Mr. and Mrs. W. H. Green Scholarship  
Lollie S. Greene Scholarship  
Greenville Christian Church Scholarship  
Robert P., Jr., and Ann C. Gregory Scholarship  
Robert S. Grimes and Maud Fite Grimes Scholarship  
Phyllis M. and John M. Grimland, Jr. Middle Income Scholarship  
Hardy Grissom Memorial Scholarship  
Robert W. Groom Scholarship  
A. E. Grugett Memorial Scholarship  
Lynn Swann Haag Memorial Scholarship  
Hall Family Pre-Med Scholarship  
Hallberg Foundation Scholarship  
Cora Bivins Halsell Scholarship  
Betty Hammack Memorial Scholarship

William J. Hammond Memorial Scholarship  
Gene Haney Memorial Scholarship  
Dick Hanley Memorial Scholarship  
Roland L. Harper Memorial Golf Scholarship  
Granville Harrison Scholarship  
Hoy and Helen Harrison Scholarship  
Ashley Huffman Hawkins Scholarship in Women's Golf  
John B. Hawley Memorial Scholarship  
Sue Terrell Hawley Memorial Scholarship  
Haywood Scholarship  
Dick and Judy Hazlewood Loyalty Scholarship  
William Randolph Hearst Endowed Scholarship  
Danny Waggoner Hemlay Academic Achievement Award  
Madeleine Hemley Music Scholarship  
Luther A. Henderson Scholarship  
Hendrick Home for Children Scholarship  
David B. Hendricks II Memorial Scholarship  
Harvey and Elizabeth Herd Scholarship  
Harold D. and Imogene Herndon Middle Income Scholarship  
Willis G. Hewatt Scholarship  
Hewatt-Rankin Pre-Med Scholarship  
Larry D. Hickey Memorial Scholarship  
F. E. Hill Company Ranch Scholarship  
James C. Hill Scholarship  
R. Hunter Hill Scholarship  
Charles R. Hoffman Scholarship in Jazz Studies  
Ben Hogan Colonial Country Club Endowed Golf Scholarship  
Holiday Greeting Fund  
Hooks Family Memorial Scholarship  
Charles and Mildred Horan Voice Scholarship  
Dr. and Mrs. Jeff L. Horn Scholarship  
Lucile Houston Endowed Scholarship  
Houston TCU Women's Club Scholarship  
Josephine Terrell Hudson and Edward R. Hudson Scholarship  
Mr. and Mrs. Charles C. Huff Memorial Ministerial Scholarship  
Stephen B. and Lola Lollar Huff Scholarship  
Dr. Simeon H. and Virginia Enloe Hulseley Scholarship  
Robert D. and Marjorie E. Hunsucker Scholarship  
A. R. and Anna Hunt Ministerial Scholarship  
Interfraternity and Panhellenic Council's Endowed Scholarship Fund for KinderFrogs  
Keith Irwin Memorial Ranch Management Scholarship  
Dana Louise Ivancevich Memorial Scholarship

Amy Mears Jackson Scholarship  
J. I. and Nelda Jackson Scholarship  
Jarvis-Love Bible Class Missionary Scholarship  
Dan Jenkins Sportswriting Scholarship  
Merlin Jenkins Memorial Scholarship  
Mona Outlaw Johnson Scholarship  
Herbert J. Jones Scholarship  
Jesse H. Jones and Mary Gibbs Jones Scholarship  
Millard B. Jumper III Memorial Scholarship  
Melinda Mann Justice Memorial Scholarship  
Joe and Sadie Keevil Disciples Scholarship  
Noel L. Keith Memorial Scholarship  
Dee J. Kelly Scholarship  
Mr. and Mrs. Wilbur M. Kidd Scholarship  
William P. and Elva Killingsworth Scholarship  
Carl B. and Florence E. King Foundation Scholarship  
Ruby Stoker Kirkpatrick Disciples Scholarship  
Willard M. Kirkpatrick Memorial Disciples Scholarship  
Lili Kraus Piano Scholarship  
George W. Lacy, M.D., Memorial Scholarship  
Herbert and Mamie LaGrone Teacher Education Student Leadership Scholarship  
LaHood Family Scholarship  
Landers Machine Company of Fort Worth Scholarship  
Jane Langdon Music Scholarship  
John W. Large Memorial Scholarship  
Florina Adele Lasker Scholarship  
Kenneth T. Lawrence Scholarship  
W. Dewey Lawrence Scholarship  
Lennox Foundation Scholarship  
George F. and Mary L. Leone Scholarship  
Jno. and Moreene Lillard Scholarship  
Bob Lilly Scholarship  
Lucy Harris Linn Nursing Scholarship  
Chester P. and Faye Reeder Long Memorial Scholarship  
G. Malcolm and Ann D. Loudon Scholarship  
Mary Sybert Clark Lovejoy Scholarship  
Leo Mack Scholarship  
Homer L. and Juliet Jane Magee Scholarship  
Mindy Lynn Maher Memorial Scholarship  
Mabel I. Major Memorial Scholarship  
Mabel I. Major and Rebecca W. Smith Lee Scholarship  
Barbara Gardner Manly Scholarship

E. Claude Manning Scholarship  
Marathon Oil Company Scholarship  
Kiersten M. Marshall Scholarship  
Janford S. Mason Memorial Scholarship  
Ada and "Mac" McArron Middle Income Scholarship  
Stanley and Beverly McBrayer Scholarship  
T. Smith McCorkle Memorial Scholarship  
Ann Marie and Robert Neal McDonald Scholarship  
Ella C. McFadden Scholarship  
Ethel Verda McFarland Music Scholarship  
Will McFarland Athletic Scholarship  
Warren McKeever Memorial Scholarship  
Moses B. McKnight Memorial Scholarship  
Dr. Malcolm D. McLean Scholarship  
Bruce McMillan, junior, Memorial Nursing Scholarship  
McMillan-Shank Memorial Scholarship  
R. M. and Atwood Means Scholarship  
Jean and Frank Medanich Scholarship  
Jack W. and Maurine Melcher Scholarship  
Amos W. Melton Memorial Scholarship  
Nancy C. Melton Scholarship  
John L. Merrill Ranch Management Scholarship  
Mrs. Leslie P. Merritt Memorial Scholarship  
L. R. "Dutch" and Maggie Meyer Scholarship  
Miller Brewing Company Scholarship  
Maude Young Miller Memorial Scholarship  
W. C. "Jack" Miller Memorial Scholarship  
Michael Boyd Milligan Scholarship  
Sean Michael Milligan Scholarship for Handicapped Students  
Dr. Charles D. Minnis Scholarship  
Robert W. and Frances L. Mitchell Scholarship  
John Robert Moffett Memorial Scholarship  
Lewis W. Mondy Scholarship  
L.A.J. and Betty Monroe Endowed Basketball Scholarship  
Sheri Mooney Memorial Scholarship  
Ferdinand and Mary Herd Moore Ministerial Scholarship  
Robert Maxey Moorman Memorial Scholarship  
Robert and Alma Moreton Scholarship  
Halford J. Morlan Scholarship  
Brooks Morris Violin Scholarship  
Charles "Lefty" and Judy A. Morris Scholarship  
Irene Rae Morris Scholarship

Morris-Wolf Athletic Scholarship  
Morris-Wolf Disciples Scholarship  
Myrtie Ashley and John Thomas Morrison Scholarship  
Osie B. Leifeste Musick Scholarship  
Mr. and Mrs. Jack D. Mussett Disciples Scholarship  
Judge John C. Myrick Ministerial Scholarship  
Alice and M. J. Neeley Special Education Scholarship  
Newby Family Scholarship  
Colonel Ben M. D. Newsom and Geraldine Starr Newsom Scholarship  
A. C. Nicholson Scholarship  
Nordan Fine Arts Scholarship  
North Texas Steel Company Scholarship  
Tommy Norwood Memorial Scholarship  
Alice Taylor Nowlin Scholarship  
Oaklawn Foundation Scholarship  
T. Reed Oatman Scholarship  
Wayland and Carolyn Oatman Scholarship  
J. W. and Minnie O'Bannion Scholarship  
David O'Brien Memorial Scholarship  
M. C. Overton Scholarship  
William Collier and Bernice Hodge Pate Scholarship  
Jay W. and Bessie Paxton Nursing Scholarship  
Clay B. Peebles Scholarship  
Doris Smith Penrose Memorial Scholarship  
Perkinson Scholarship  
Robert E. Peterson Memorial Scholarship  
Petroleum Accountants Society of Fort Worth Scholarship  
Charles and Bertie Sanders Pettit Scholarship  
Steve Pieringer Memorial Scholarship  
Vera Stephenson Pilcher Scholarship  
L. A. Pires-York Rite Masonic Scholarship  
Meredith Anne Pogson Scholarship  
James W. Porter Scholarship  
Sandra Scott Porter Scholarship  
Rose Ella McCollum Porterfield and Austin L. Porterfield Scholarship  
Linda Carol Possenti Memorial Scholarship  
Leo Potishman Tennis Scholarship  
Clayton L. and Jewel Carr Potter Memorial Endowed Scholarship  
Marguerite Potter Memorial Scholarship  
Pauline Polk Potts Memorial Scholarship  
Lay and Mattie Powell Scholarship  
William Elmo Powell Memorial Scholarship



William W. Powell Scholarship  
David Preston Memorial Scholarship  
Coma Lee and Margaret Q. Pribble Scholarship  
Sue Beall and J. Maurice Price, Sr. Scholarship  
Ben H. Proctor Scholarship  
Mrs. Opal Weatherly Purvines Scholarship  
Don W. Rader, Jr. Memorial Scholarship  
Rupert and Lillian Radford Scholarship  
Kenneth R. Raessler Scholarship  
Catherine Haizlip Ragsdale Scholarship  
Roger A. Ramsey Middle Income Scholarship  
Ranch Management Alumni Scholarship  
Polly Curry Rankin Nursing Scholarship  
Mr. and Mrs. George A. Ratliff Scholarship  
Ratliff-Bedford Memorial Scholarship  
Mr. and Mrs. George A. Ray Ministerial Scholarship  
Mr. and Mrs. D. A. "Pete" Redding Scholarship  
Cecil D. Redford Memorial Scholarship  
Redman Foundation Graduate Education Scholarship  
Dave C. Reed Scholarship  
Mabel Clark Reed Business Scholarship  
Mabel Clark Reed Disciples Scholarship  
Norman M. and Maureen Corder Reed Scholarship  
H. Roy and Vaulta Reynolds Scholarship  
Thelma Robinson Reynolds Scholarship  
Claud H. Richards Scholarship  
Jean Wiggin Roach Scholarship  
John V. Roach Scholarship  
Phil Roach Scholarship  
Dr. and Mrs. A. W. Roark and Mary Elizabeth Roark Scholarship  
Joan Rogers Scholarship  
Robert M. Rogers Memorial Scholarship  
Mr. and Mrs. Oscar S. Rosenberg Scholarship  
Arch H. Rowan Memorial Scholarship  
Stella S. Rowan Nursing Scholarship  
Ryan Foundation Scholarship  
Frances Sadler Scholarship  
M. E. Sadler Scholarship  
David Baldwin Sanders Endowed Scholarship  
Robert Marne Sanford Scholarship  
Santa Gertrudis Scholarship  
Patricia D. Scearse Scholarship

Clarence and Kerry Scharbauer Scholarship  
Kurt Alan Schember Memorial Scholarship  
George T. Schmaling Memorial Scholarship  
V. C. and Elisabeth Schorlemmer Disciples Scholarship  
Jake M. Schrum Scholarship  
R. J. Schumacher Accounting Scholarship  
Gayle and Mary Beth Scott Scholarship  
Scott-Rankin Geology Scholarship  
Neil Sealy Memorial Scholarship  
Peter and Phyllis Shaddock Scholarship  
Louis H. Shaffman Scholarship  
Hilton John Shepherd Scholarship  
Mr. and Mrs. Charles R. Sherer Scholarship  
Lorraine Sherley, Frederick Henderson Sherley and Quincy Coffman Sherley Scholarship  
Wayne H. and Janet Largent Sherley Scholarship  
Shipp Family Scholarship  
William Everett and Eloise Norman Shipp Endowment for the Harris College of Nursing  
Harry B. and Mabelle Short Scholarship  
Sigma Theta Tau, Inc. Scholarship  
Robert M. Singleton Memorial Scholarship  
Mary Skipper Scholarship  
Amber Roberts Slotnik RTVF Scholarship  
Alice T. Smith Scholarship  
Emily Guthrie Smith Scholarship  
Lucy Smith Scholarship  
Margaret K. Smith Memorial Scholarship  
Rebecca W. Smith Scholarship  
Wilma Miller Smith and Clarence B. Smith Scholarship  
Florence Ware Snively Scholarship  
Southwestern Company Scholarship  
Southwestern Exposition and Livestock Show Scholarship  
Ellis M. Sowell Scholarship  
Marvolene Bowe Speed Scholarship  
Alma W. O'Gorman Staples Nursing Scholarship  
A. Tremon Starr Scholarship  
Helen Martha Steen Honorary Scholarship  
Mr. and Mrs. Hamlett Stivers Memorial Scholarship  
Strake Family Scholarship  
E. P. Stuermer Family Scholarship for Disciples Scholarship  
Blake Knowlden Sturman Scholarship at Starpoint  
Lynell Burgess Suggs Memorial Scholarship  
George C. and Sue W. Sumner Scholarship

Hatton Sumners Foundation Partial Tuition Grant  
Hatton Sumners Foundation Washington Internship Scholarship  
Mr. and Mrs. R. C. Sweeney Memorial Scholarship  
Dr. George Tade Scholarship  
Wilma Jean and George T. Tade Scholarship for Communication Sciences and Disorders  
Dr. Robert and Kathryn Talbert Memorial Scholarship  
Tandy Corporation Educational Scholarship  
Charles T. Tandy Scholarship  
Priscilla W. Tate Scholarship  
TCU Permian Basin Alumni Scholarship  
TCU/Raymond Gafford Memorial Golf Scholarship  
Jim and Maida Thokey Disciples Scholarship  
Anna Belle P. Thomas International Students Music Fund  
Meredith Fraker Thompson Memorial Scholarship in Finance  
Wray and Sally Thompson Golf Scholarship  
Carol Thornton Scholarship  
Jeanette Tillett Scholarship  
Martha Maples Timmerman Music Scholarship  
Charles W. Tindall - Tandy Corporation Scholarship  
T. E. Tomlinson Memorial Ministerial Scholarship  
Wendall and Percine Towery Memorial Scholarship  
Jim Trinkle Scholarship  
Ethel G. Tucker Memorial Scholarship  
Harriet Tubman-Texas American Bank Minority Scholarship  
Glen and Elizabeth Turbeville Scholarship  
Nancy B. Chambers Underwood Scholarship  
James L. Utley Memorial Scholarship  
Warren and Lulu Veale Memorial Scholarship  
Don J. Ver Duin Memorial Scholarship  
April M. Vieweg Memorial Scholarship  
Mary Poteet Wagley Disciples Scholarship  
Edward McShane and Mary Waits Scholarship  
Howard A. Walbridge Engineering Scholarship  
W. Earl and Louise Waldrop Scholarship  
James A. and Susie V. Walker Scholarship  
Jewell and Anna B. Wallace Scholarship  
Mr. and Mrs. Clay Waller Ministerial Scholarship  
Charles G. Walls Scholarship  
George S. Walls, Sr. Scholarship  
F. Howard and Mary D. Walsh Graduate Piano Scholarship  
F. Howard Walsh, Jr. Middle Income Scholarship  
Mr. and Mrs. F. Howard Walsh Scholarship

John B. Walton Scholarship  
Sandy Ware Scholarship  
Sue and Logan Ware Scholarship  
Bea Warren Nursing Scholarship  
Paul and Ruth Wassenich Disciples Scholarship  
W. R. Watt Memorial Scholarship  
A. D. and Mozelle B. Weatherly Scholarship  
Wells Fargo Endowed Scholarship  
Mr. and Mrs. James L. West Scholarship  
Fred Whitaker Middle Income Scholarship  
G. R. White Scholarship for Ranch Management  
Wichita Falls Ex-Students Scholarship  
Harry L. Wiggins Scholarship  
Louise V. Wiggins Scholarship  
Garner L. and Lula Leverett Wilde Scholarship  
Arthur Willey Fund Scholarship  
Dorothy and Arthur Willey Scholarship  
Jay D. Williams Scholarship  
Gretchen Minyard Williams and Liz Minyard Scholarship  
Jim Willmon/Bill Rea Scholarship  
Jo Brice Wilmeth, Jr. Scholarship  
Michael M. Winesanker Scholarship  
William M. and Hortense T. Winton Scholarship  
Otto E, Theresa and Herbert Wise Scholarship  
B. B. Wolford Estate Scholarship  
H. Fitzhugh Wolford Ministerial Scholarship  
Woodland Christian Church Scholarship  
Sam and Marie "Sissie" Woodson Memorial Scholarship  
Mr. and Mrs. William M. Woods Scholarship  
Hazel Tucker Woodward Scholarship  
Ruby Lee Foster Wooten Scholarship  
Ed and Ona Wright Athletic Scholarship  
L. C. Wright Scholarship  
Pete Wright Scholarship  
Suzanne Elise Yarbro Memorial Scholarship  
Coy Young Memorial Scholarship  
Youngblood-Proffer Scholarship  
Samuel P. Ziegler Art Scholarship  
Charles T. and Clara Shelton Zlatkovich Scholarship

## Academic Calendar

### 2006-2007

Summer Session 2006	May 15 through August 11
Residence halls open	Sun., May 14
Registration for Three Weeks Term (Term I)	Mon., May 15
Classes begin	Mon., May 15
Late registration ends	Tues., May 16
<i>Last day to withdraw from class and receive:</i>	
100% tuition refund	Tues., May 16
75% tuition refund	Wed., May 17
50% tuition refund	Thur., May 18
25% tuition refund (No refunds after this date)	Fri., May 19
Last day for electing Pass/No Credit grading option	Fri., May 19
Last day students may withdraw from a class	Wed., May 24
Memorial Day Holiday	Mon., May 29
Last day of classes	Fri., June 2
Registration for Eight Weeks Term (IE)	Mon., May 15
Classes begin	Mon., May 15
Late registration ends	Tues., May 16
<i>Last day to withdraw and receive:</i>	
100% tuition refund	Fri., May 19
75% tuition refund	Mon., May 22
50% tuition refund	Tues., May 23
25% tuition refund (No refunds after this date)	Wed., May 24
Last day for electing Pass/No Credit grading option	Wed., May 24
Memorial Day Holiday	Mon., May 29
Last day a student may withdraw from a class	Fri., June 9
Fourth of July Holiday	Tues., July 4
Last day of classes	Fri., July 7
Registration for First Five Weeks Term (Term II)	Mon., June 5
Classes begin	Mon., June 5
Late registration ends	Tues., June 6
<i>Last day to withdraw and receive:</i>	
100% tuition refund	Tues., June 6
75% tuition refund	Wed., June 7
50% tuition refund	Thur., June 8
25% tuition refund (No refunds after this date)	Fri., June 9
Last day for electing Pass/No Credit	Fri., June 9
Last day students may withdraw from a class	Wed., June 21
Fourth of July Holiday	Tues., July 4
Last day of classes	Fri., July 7
Registration for Second Five Weeks Term (Term III)	Mon., July 10
Classes begin	Mon., July 10
Late registration ends	Tues., July 11
<i>Last day to withdraw from class and receive:</i>	
100% tuition refund	Tues., July 11
75% tuition refund	Wed., July 12
50% tuition refund	Thur., July 13
25% tuition refund (No refunds after this date)	Fri., July 14
Last day for electing Pass/No Credit grading option	Fri., July 14
Last day students may withdraw from a class	Wed., July 26
Last day of classes	Fri., Aug. 11
Residence halls close	Sat., Aug. 12

Fall Semester 2006	August 21 through December 15
Resident halls open	Sat., Aug 19
Registration	Fri., Aug 18
First classes meet, 8 a.m.	Mon., Aug 21
Labor Day recess	Mon., Sep. 4
Last day for late registration, changing or adding courses	Fri., Aug 25
Last day for semester-fee students (only) to drop below 12 hours and receive partial-tuition refund	Fri., Aug 25
<i>Last day to withdraw from class and receive:</i>	
100% tuition refund	Fri., Aug 25
75% tuition refund	Fri., Sep 1
50% tuition refund	Mon., Sep 11
25% tuition refund (No refunds after this date)	Mon., Sep 18
Last day for electing Pass/No Credit grading option	Mon., Sep 18
Mid semester break:	
Classes recess, 10 p.m.	Wed., Oct 4
Classes resume, 8 a.m.	Mon., Oct. 9
Mid-semester unsatisfactory grade reports due to Registrar by 9 a.m.	Wed., Oct. 11
Last day students may withdraw from a class	Wed., Oct. 18
Schedule advising for Spring Semester:	
	Mon-Fri., Nov. 6-10
	Mon-Fri., Nov. 13-17
Advance registration for Spring Semester	Mon.-Fri., Nov. 13-17
	Mon.-Wed., Nov. 20-22
	Mon.-Fri., Nov 27 – Dec. 1
Thanksgiving recess:	
Classes recess, 5 p.m	Tues., Nov. 21
Classes resume, 8 a.m.	Mon., Nov. 27
Last day of classes	Wed., Dec. 6
Study days	Thurs.-Fri., Dec. 7, 8
Final examinations	Mon.-Fri., Dec 11-15
Semester ends	Fri., Dec 15
Baccalaureate and Commencement	Sat., Dec 16
Residence halls close	Sat., Dec 16
Intercession	December 27 through January 13
Spring Semester 2007	January 16 through May 11
Residence halls opening (tentative)	Wed., Jan. 10
Registration	Fri., Jan.12
Martin Luther King, Jr., Holiday	Mon., Jan. 15
First classes meet, 8 a.m.	Tues., Jan. 16
Last day for late registration, changing or adding courses	Mon., Jan. 22
Last day for semester-fee students (only) to drop below 12 hours and receive partial-tuition refund	Mon., Jan. 22
<i>Last day to withdraw from class and receive:</i>	
100% tuition refund	Mon., Jan. 22
75% tuition refund	Mon., Jan 29
50% tuition refund	Mon., Feb. 5
25% tuition refund (No refunds after this date)	Mon., Feb. 12
Last day for electing Pass/No Credit grading option	Mon., Feb. 12
Mid-semester reports of unsatisfactory work to Registrar, 9 a.m.	Wed., Mar. 7
<i>Spring recess:</i>	
Classes recess, 10 p.m.	Fri., Mar. 9
Classes resume, 8 a.m.	Mon., Mar. 19
Last day students may withdraw from a class	Wed., Mar. 21
<i>Good Friday recess:</i>	
Classes recess, 10 p.m.	Thur., Apr 5
Classes resume, 8 a.m.	Mon., Apr 9

<i>Schedule advising for Summer 2007 Session and Fall 2007 Semester</i>	Mon.-Fri., Mar. 26-30
	Mon.-Fri., Apr. 2-6
<i>Advance registration for Fall Semester</i>	Mon.-Fri., Apr. 2-6
	Mon.-Thurs., Apr. 9-12
Last day of classes	Wed., May. 2
Study days	Thur.-Fri., May 3-4
Final examinations	Mon.-Fri., May 7-11
Baccalaureate and Commencement	Sat., May 12
Residence halls close	Sat., May 12
Summer Session 2007	May 14 through August 10
Residence halls open	Sun., May 13
Registration for Three Weeks Term (Term I)	Mon., May 14
Classes begin	Mon., May 14
Late registration ends	Tues., May 15
<i>Last day to withdraw from class and receive:</i>	
100% tuition refund	Tues., May 15
75% tuition refund	Weds., May 16
50% tuition refund	Thur., May 17
25% tuition refund (No refunds after this date.)	Fri., May 18
Last day for electing Pass/No Credit grading option	Fri., May 18
Last day students may withdraw from a class	Wed., May 23
Memorial Day Holiday	Mon., May 28
Last day of classes	Fri., June 1
Registration for Eight Weeks Term (IE)	Mon., May 14
Classes begin	Mon., May 14
Late registration ends	Tues., May 15
<i>Last day to withdraw and receive:</i>	
100% tuition refund	Fri., May 18
75% tuition refund	Mon., May 21
50% tuition refund	Tues., May 22
25% tuition refund (No refunds after this date)	Wed., May 23
Last day for electing Pass/No Credit grading option	Wed., May 23
Memorial Day Holiday	Mon., May 28
Last day a student may withdraw from a class	Fri., June 8
Fourth of July Holiday	Wed, July 4
Last day of classes	Fri., July 6
Registration for First Five Weeks Term (Term II)	Mon., June 4
Classes begin	Mon., June 4
Late registration ends	Tues., June 5
<i>Last day to withdraw and receive:</i>	
100% tuition refund	Tues., June 5
75% tuition refund	Wed., June 6
50% tuition refund	Thur., June 7
25% tuition refund (No refunds after this date)	Fri., June 8
Last day for electing Pass/No Credit	Fri., June 8
Last day students may withdraw from a class	Wed., June 20
Fourth of July Holiday	Wed., July 4
Last day of classes	Fri., July 6
Registration for Second Five Weeks Term (Term III)	Mon., July 9
Classes begin	Mon., July 9
Late registration ends	Tues., July 10
<i>Last day to withdraw from class and receive:</i>	
100% tuition refund	Tues., July 10
75% tuition refund	Wed., July 11
50% tuition refund	Thur., July 12
25% tuition refund (No refunds after this date)	Fri., July 13

Last day for electing Pass/No Credit grading option

Fri., July 13

Last day students may withdraw from a class

Wed., July 24

Last day of classes

Fri., Aug. 10

Residence halls close

Sat., Aug. 11



## Academic Services

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### [Academic Advising](#)

#### [The Center For Academic Services](#)

#### [Policy and Procedures for Students with Disabilities](#)

#### [The William L. Adams Center for Writing](#)

### Academic Advising

Academic advising is an important process in which faculty and staff assist students in developing plans and in clarifying career and/or advanced study goals. All students should meet with an academic advisor at least once each semester to plan future course work. In these meetings, students and advisors will discuss academic records which may include: grade reports, transcripts, evaluations of work transferred to TCU, and degree plans.

Students new to the university are required to attend advising sessions for the first three long semesters after entering TCU. They are likely to require assistance in the mechanics of first-time enrollment and in exploring choices related to selection of courses and degree programs. Students with more university experience often handle these tasks with little need for assistance, but may profit from direction in maximizing academic performance and in setting career goals. Finally, students nearing completion of their academic program are likely to need specific help in ensuring that all degree requirements are met and assistance with the transition to a career or advanced study. In short, the specific activities required will depend on the advisor, the student, and the student's progress in his or her academic career.

The student-advisor relationship is one of shared expectations and responsibilities. Consequently, advising activities will depend on the needs of the student and on his or her academic program. Further, the actual activities involved in advising will change as a student progresses through a degree program or subsequently changes degree programs.

Pre-majors (those who have not formally declared a major) will be advised by professional staff associated with the Center for Academic Services. The Center provides resources and access to programs designed to help students identify career interests and possible majors.

Students who have declared majors will be advised in the department of the major or by professional staff in the school or college of that major. When students declare a major, they are referred to the major department, school, or college for future advising.

A quality advising relationship requires a dedicated advisor and a prepared student. The student must initiate advising activities, define the need of advising activity, and be prepared to take responsibility for his or her academic and career goals as well as his or her academic performance. Prior to seeing their advisors, students should become familiar with degree and major requirements for programs of interest and courses in which they wish to enroll. Advisors will answer questions and make suggestions, but the student must assume full responsibility for satisfying all program and degree requirements.

### The Center For Academic Services

The Center for Academic Services offers services and programs to enhance the academic experience of all students at TCU during all stages of their academic careers.

The Center for Academic Services:

- Coordinates **academic advising** for premajors (those who have not formally declared a major and have achieved fewer than 54 hours);
- Coordinates academic advising for first-year students with declared majors in the College of AddRan;
- Provides academic advising for students during new student orientation;
- Offers **study skills** evaluation;
- Provides academic **resources** related to study skills, time management, and related concerns;
- Conducts **workshops** on study skills, test taking and time management;
- Offers a one-credit hour course (**UNPR 10001**) focused on self assessment, career exploration, and choosing a major;
- Assists students who want to **explore career paths** and **learn about majors**;
- Sponsors a **Major/Minor Fair** each fall, whereby students can meet with faculty from disciplines across the campus;
- **Refers** students to appropriate services, departments, community agencies;
- Facilitates **disabilities services** for students meeting Policy and Procedure requirements. (See "Policy and Procedures for Students with Disabilities.")

Students who are not meeting academic standards or who want to improve academic skills and performance are encouraged to visit the center.

### Policy and Procedures for Students with Disabilities

Texas Christian University complies with the Americans With Disabilities Act and with Section 504 of the

Rehabilitation Act of 1973 regarding students with disabilities. No otherwise qualified individual shall be denied access to or participation in the services, programs, and activities of TCU solely on the basis of a disability. The University shall provide reasonable accommodations for each eligible student who (a) has a physical or mental impairment that substantially limits a major life activity, (b) has a record or history of such an impairment, or (c) is regarded as having such an impairment.

Each eligible student is responsible for presenting relevant, verifiable, professional documentation and/or assessment reports to the Coordinator for Students with Disabilities. Information concerning a student's disability is treated in a confidential manner in accordance with University policies as well as applicable federal and state laws. Documentation presented to the Coordinator shall be reviewed by appropriate University professional(s) to verify the existence of a disability. Further documentation may be required from the student to substantiate the claim of a disability or to assist the University in determining appropriate accommodations. **The Coordinator for Students with Disabilities may be contacted in the Center for Academic Services located in Sadler Hall, room 11 or at (817) 257-7486.**

Eligible students seeking accommodations should contact the coordinator as soon as possible in the academic term for which they are seeking accommodations. The Coordinator will prepare letters to appropriate faculty members concerning specific, reasonable academic adjustments for the student. The student is responsible for delivering accommodations letters, conferring with faculty members, and returning validation of the receipt of information to the Coordinator. The Coordinator consults with the student and with University faculty and staff to ensure delivery of appropriate support services and serves as liaison between the student and the faculty member as needed.

Students who wish to appeal a decision regarding appropriate accommodations shall do so in writing to the Affirmative Action Officer, who shall decide the appeal.

### **The William L. Adams Center for Writing**

The Center for Writing offers assistance with writing projects and assignments to all TCU students. Staffed by professional writing instructors and peer consultants, the Center for Writing provides students with one-on-one tutorials free of charge. Conferences usually focus on a particular project or assignment but may also include general writing instruction.

The ten PCs in the center's computer lab are available for the use of any TCU student during normal office hours and provide email and Internet access.

Located in Suite 244 of the Rickel Academic Wing of the University Recreation Center, the Center for Writing is open 8 a.m. to 5 p.m. Monday through Friday. Students may make an appointment by calling (817) 257-7221 or can drop by and wait for the next available consultant. Students may also use the Center for Writing's annex at the library Monday through Friday 2 to 5:00 p.m., Saturday noon to 4 p.m. and Sunday through Thursday evenings from 6 to 9 p.m. or they can take advantage of the on-line service available on the center's website at <http://www.wrt.tcu.edu/>.

## Academic Support

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[Library](#)

[Information Services](#)

[Information Commons](#)

[Center for Instructional Services \(Instructional Technology\)](#)

[William H. Koehler Center for Teaching Excellence](#)

### **Library**

Mary Coats Burnett Library provides information resources for inquiry, intellectual discovery, and the development of life-long learning skills in a people-centered environment. Students and faculty have access to over 1,000,000 books, CDs, DVDs, videos, and nearly 22,000 current journals, electronically and in paper. Over 300 databases, many of which include the full text of journal articles are available through the library's website (<http://lib.tcu.edu>). Examples of popular databases are LexisNexis, Business Source Premier, and PsycINFO.

Materials are arranged according to the Library of Congress system in open stacks for convenient access to most items. Librarians and staff select, maintain and interpret the collections for Library users. A music library and audio center and the Brite Divinity Library are also located in the Library. Particular collections include Texas, United States and European Community documents; the Archives of the Van Cliburn International Piano Competition; the papers of former Speaker of the House, James C. Wright, Jr.; the papers of Amon G. Carter, Sr.; the University's historical collection; and special collections of rare books and manuscripts such as the William Luther Lewis Collection of English and American Literature.

Reference Librarians (Library and research assistance) and Information Services Consultants (computing assistance) are available at the Information Commons (<http://www.ic.tcu.edu>) located within the library over 100 hours a week. TCU's Center for Writing (<http://www.wrt.tcu.edu>) maintains an annex office in the Information Commons Computer Lab and has evening office hours. The Information Commons Computer Lab has over 104 computers, PC and MAC, along with 30 PC laptops available for use in the Library on FrogWave (campus WIFI network.)

Through active membership in local, regional and national library consortia the Library is able to secure for TCU faculty and students the advantages that come with library resource sharing. Our membership in TexShare enables TCU faculty and students to obtain borrowing privileges from more than 150 academic libraries throughout Texas.

### **Information Services**

The central computing facility, located on the ground floor of the Sid W. Richardson Sciences Building, provides network connectivity throughout the campus and computer services and support for all levels of the University.

Using various client servers, Information Services provides support for all programs used by campus departments and supplies direct access to the Internet, the Library and specialized databases as required.

The Information Services staff is available through the Information Commons Desk in the Mary Coats Burnett Library (817-257-5855). Services provided include consultation and assistance with computer problems. A newsletter (TCUSER) providing information about new services, products and support activities is published each semester. In addition, a wide selection of training materials for campus-supported software is also available. The Information Services administrative office is located in SWR Room 175, (817) 257-7682.

### **Information Commons**

The Information Commons, located in the Mary Coats Burnett Library, provides students, faculty and staff with technical and library reference, and writing assistance in an integrated digital environment. Professional staff members and specially trained students staff the TCU Information Commons. A computer lab within the commons provides 110+ networked Wintel and Macintosh workstations along with multi-media computers and high speed laser printers. Wireless laptops are available for checkout and use within the Library. Via the web, a virtual Information Commons provides access to online resources for the university library and information resources.

### **Center for Instructional Services (Instructional Technology)**

The successful integration of instructional technology and media production into the teaching and learning environment is essential in today's classroom. Both can potentially enrich the education of students at the University. The Center for Instructional Services supports classroom instruction by providing resources to faculty, staff and students to meet their instructional needs. The Center is comprised of three support areas:

-- Classroom Technology Support Services maintains and supports a complement of instructional media equipment for classroom use; training is provided for equipment installed in classrooms and, upon request, equipment may be delivered, set-up and retrieved. Technical support is provided on an on-going basis with maintenance and repair on all instructional technology equipment.

-- Media Production Support Services provides assistance in the planning and production of a variety of instructional resources, including graphics in various mediums and video-based resources, for both classroom use and special events.

-- Instructional Support Services provides assistance in planning, purchasing and installation of instructional media equipment.

The three support areas of the Center for Instructional Services are now located in the Instructional Services Building (formerly known as the TAGER Building) which is located between the Tucker Technology Center and Annie Richardson Bass Building on Bowie Street. For more detailed information, refer to the Center's web site at [WWW.CIS.TCU.EDU](http://WWW.CIS.TCU.EDU), or call 817-257-7121.

### **William H. Koehler Center for Teaching Excellence**

#### **Center for Teaching Excellence and eLearning Initiatives**

The mission of the William H. Koehler Center for Teaching Excellence (CTE) is to support teaching and learning at Texas Christian University. In addition the CTE supports the electronic delivery of instruction as deemed appropriate by the faculty and administration of TCU. The resources and activities of the CTE are focused both on honoring the present needs of instruction and informing the TCU community of the increasing possibilities brought by changing pedagogical theory, innovative practice, and new technologies. The staff of the CTE is dedicated to working with individuals, departments, and programs to design and implement meaningful learning opportunities and to facilitate ongoing, reflective participation in the conversations regarding teaching and learning.

Elearning initiatives provides assistance in the planning, instructional design, instructional support, and development for the use of technology in the classroom, as well as distance education environments. Training is provided in small groups or individually to meet each faculty member's needs to enhance their teaching and expand student learning beyond the boundaries of the classroom.

The Koehler Center for Teaching Excellence is located in the Sid Richardson Building, suite 501 located between The Tucker Technology Center and Winton Scott Building on Bowie Street. For more detailed information, refer to the Center's web site at [www.cte.tcu.edu](http://www.cte.tcu.edu), or [www.eLearning.tcu.edu](http://www.eLearning.tcu.edu) or call (817) 257-7343.

## Admission of Students

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[Admission of Freshman Students](#)

[Admission of Transfer Students](#)

[Admission of International Students](#)

[Admission of Non-Degree Students](#)

[Admission of Students by Individual Approval](#)

[Re-enrollment of Former Students](#)

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### Admission of Freshman Students

TCU invites applications from qualified high school students who have graduated or expect to graduate from an accredited secondary school. The student should request information about TCU early in the high school career to learn about admission requirements.

Students applying from secondary schools should request, complete, and return application forms following their junior year in high school. Applicants are considered for admission after the Office of Admission receives:

- a. completed application form
- b. official secondary school transcript
- c. SAT or ACT scores
- d. \$40 application fee
- e. essay and résumé of activities
- f. secondary school guidance counselor's evaluation of applicant.

It is the student's responsibility to complete the application procedure. Students accepted to the University prior to high school graduation are admitted on a tentative basis, pending successful completion of their senior year with academic performance consistent with that upon which the admission decision was based. Verification of graduation is required.

Any college-level coursework attempted after admission but before matriculation must be reviewed by the Office of Admission prior to enrollment and may nullify the offer of admission.

Admitted students must return a nonrefundable enrollment fee by May 1st (National Candidate Reply Date) to secure a place in the fall class.

The following factors are considered when selecting candidates for admission:

1. High School Record. Students are expected to have completed upon graduation a **minimum** of 4 units of English, 3 units of mathematics (including 2 units of algebra and 1 of geometry), 3 units of science (including one laboratory science), 3 units of social studies, 2 units of foreign language and 2 units of academic electives. The quality and quantity of coursework taken, grades earned, and subsequent rank in the high school class are important in assessing a candidate's probability for success at TCU.
2. Admission Tests. Candidates must present results of the SAT or the ACT. Arrangements to take one of these tests should be made through the student's secondary school. If the candidate has been out of high school more than three years, the SAT/ACT requirement is waived. In addition, prospective performance music majors must audition either in person or by recording. Prospective ballet and modern dance majors must also audition.
3. Essay and Counselor's Evaluation. The student's essay is a significant part of the application as is the high school counselor's evaluation. If the candidate has been out of high school more than three years, the counselor's evaluation requirement is waived.
4. Extracurricular Participation. Activities outside of class, including employment, community/volunteer work, and leadership experiences are evaluated.
5. College Courses taken while in high school. The quality of coursework completed and the grades earned will be considered during the admission process. Official college transcripts must be presented to determine transferability of credit.

### Admission of Transfer Students

A transfer student is defined as one who has been out of high school for at least one full semester and has attempted college or university work for credit.

Students planning to transfer from another college or university should submit the following for admission consideration:

- a. completed application form
- b. official transcripts from each college attended
- c. \$40 application fee
- d. secondary school transcript and SAT or ACT scores if, at the time of application, fewer than 24 semester hours of transferable work have been completed.

Admission to TCU as a transfer student is based upon evidence of ability to succeed in college-level work. The applicant's total record will be assessed, taking into account the following:

1. the cumulative grade point average
2. quality of curriculum

3. the number of hours and GPA in core subjects
4. the high school record and test results (if possessing fewer than 24 transferable semester hours at the time of application)
5. extracurricular activities, achievements and honors
6. essay.

The applicant must be in good academic standing and be eligible to return to all previous institutions. Official transcripts must be submitted from each college attended whether the work was satisfactory, unsatisfactory, or interrupted. Failure to disclose any part of a previous academic record is a serious violation of trust and will subject a student to dismissal and forfeiture of credit earned while in attendance at TCU.

Evidence of acceptable academic standing at an accredited college or university and appropriate academic credentials are required. A minimum cumulative GPA of 2.0 is necessary for consideration although a cumulative GPA of 2.75 or higher is generally required for admission. Every application will be reviewed on an individual basis. In most cases, greater emphasis is placed on academic work completed in recent semesters than on work completed in the more distant past.

Grades on all attempted transferable courses except physical education activity courses (including repeated courses and those in which grades of F, D or I were received) will be used in calculating the grade point average to determine the applicant's qualification for admission. Once admitted, a student's transfer grades will not be entered on the student's permanent record at TCU.

Students admitted to the University will receive, with their letter of admission, a transcript evaluation sheet listing all transferable courses. A course listed as "transferable" on the transcript evaluation is not necessarily applicable or acceptable under certain degree programs.

Courses that do not transfer to TCU include the following:

1. courses in which a grade lower than C was earned
2. courses considered to be developmental (e.g., orientation, time management, library skills) or remedial (e.g., those in English, math and reading)
3. Vocational-Technical courses.

No more than 66 hours from a community college may be credited toward a bachelor's degree, and no course transferred from a community college may be used to satisfy the TCU advanced-hour requirement. No more than 8 semester hours of physical education activity courses may be applied toward graduation requirements.

Note: Students transferring to TCU must present a record of all transfer work for evaluation to the Office of Admission for approval by the appropriate academic dean prior to their enrollment in the University. Transfer coursework not presented prior to enrollment may not be counted toward a degree.

After enrolling at TCU:

- 1) All students must receive prior written approval of the academic dean of their major if they wish to take courses at another institution and have those courses count toward a degree at TCU. Coursework taken without prior written approval may not be applied to a degree.
- 2) No more than 12 total semester hours, except those earned in an approved study abroad program, may be transferred from other schools.
- 3) No credit may be transferred from a community college once 54 cumulative semester hours have been earned.

Some programs have certain requirements that must be met to enroll in upper division courses. Transfer applicants who plan to declare a major in the M.J. Neeley School of Business, Harris College of Nursing or the School of Education, for instance, should refer to those special requirements set forth in the appropriate programmatic sections of this Bulletin.

### Admission of International Students

International (non-immigrant) undergraduate applicants for admission to TCU must demonstrate:

1. High scholastic achievement, with above-average academic performance in their secondary or high school studies and on national examinations, where such examinations are administered. Students transferring from a university or other institution of higher education should have above-average grades in their post-secondary studies. Former TCU international students should refer to the section on *Re-enrollment of Former Students*.
2. A satisfactory command of English as demonstrated by such examinations as TOEFL (Test of English as a Foreign Language), the SAT, the ACT or another widely recognized test of English proficiency. The minimum TOEFL score accepted for admission of beginning undergraduate students is 550 on the paper-based exam, 213 on the computer-based exam, or 80 on the Internet-based exam. Transfer students may demonstrate proficiency by successfully completing English composition and having 24 hours of transferable credit from a US college.

Applicants who have not achieved the required level of English proficiency are encouraged to enroll in TCU's Intensive English Program, which offers ten sessions each year.

Regardless of the level of English language proficiency, all admitted international students are tested upon arrival at the University and, depending on their test results, may be required to take certain English language credit courses to overcome deficiencies.

Admitted students must eliminate any deficiencies determined by the TCU English Proficiency Exam within the first two full semesters in order to continue their studies at TCU.

**Procedures.** Nonimmigrant applicants should request the "International Student Application for Undergraduate Admission."

The application contains detailed instructions regarding documents that must be submitted and deadlines for application.

Admission for summer sessions is considered only for applicants with at least 24 semester hours of higher education in the U.S.

When the application is complete, the International Committee on Admissions will evaluate the credentials and send the applicant a letter stating its decision. If admitted, the applicant will be provided information regarding dates of arrival, orientation, testing, and additional requirements. Students must submit a health record and provide proof of the availability of funds to cover all educational and living expenses for the duration of their studies at TCU. International orientation is required of all new international students.

Advanced credit may be granted for certain courses considered to be beyond the level of U.S. secondary school courses, provided that the grades are at least average. Results from exams such as the International Baccalaureate, the German Abitur, the British General Certificate of Education (GCE) "A" Levels, and other similar national exams can be considered for possible advanced credit.

The University standards and procedures regarding international students are consistent with those expressed in the "Admissions Standards and Procedures" of NAFSA: Association of International Educators.

**Housing.** Undergraduate applicants in their first year of higher education and who are less than 21 years of age are required to reside in on-campus housing. Other applicants may apply for housing on campus after being granted admission and may receive a reservation depending on space availability at the time of application.

Additional information can be obtained from the Office of International Admission, TCU Box 297013, Texas Christian University, Fort Worth, Texas 76129, U.S.A. or by calling (817) 257-7871 or sending a FAX to (817) 257-5256.

### **Admission of Non-Degree Students**

Students interested in taking courses for academic credit but not in seeking a degree from TCU may be admitted for non-degree study. Non-degree students are held to the same standards governing academic progress (including probation/suspension) as degree students.

**Non-degree status** would apply to persons in the following categories:

1. taking only ROTC at TCU and enrolled at another college or university
2. seeking Ranch Management certification
3. seeking only teacher certification
4. with an undergraduate degree desiring additional undergraduate coursework
5. applying as summer visiting students.
6. enrolled at another college or university seeking concurrent enrollment at TCU for one semester.

Persons who do not fit into any of these categories, but want to take credit courses, will be considered for limited enrollment status.

**Limited enrollment status** is open to persons who:

1. are 22 years of age or older with a high school diploma and/or equivalency diploma based on the GED,
2. are in good standing at all colleges where they are currently enrolled or have ever been enrolled, and
3. have not been previously denied admission or readmission to TCU.

A limited enrollment student may not enroll in more than six (6) semester hours of coursework per semester or three (3) hours per summer session. Exceptions must be approved by the Office of Extended Education. A maximum of twelve (12) semester hours may be accumulated. At that time a student may apply as a degree-seeking student or receive special permission to continue beyond the 12 hours limitation.

Applications for non-degree study may be obtained from the Office of Extended Education.

Non-immigrant students may be considered for non-degree status without the limitations stated above, but must abide by the regulations stipulated by the Office of International Student Affairs. These applicants should contact the Office of International Student Affairs for specific limitations, application forms, and procedures for international students.

**Non-degree to degree status:** Undergraduate students who wish to change from non-degree to degree status must submit the appropriate application form obtained from the Office of Admission. The semester hours earned as a non-degree student can be applied toward a degree program if applicable.

### **Admission of Students by Individual Approval**

Students who demonstrate outstanding academic achievement and potential, but have not yet graduated from high school, may be admitted by individual approval. Such students seeking concurrent enrollment or early admission should contact the Office of Admission for further information.

Applicants 21 years of age or older who submit results of a General Education Development (GED) examination may be considered for admission on an individual basis. Such applicants generally are encouraged to attend a two-year college for a semester or more in preparation for university studies.

### **Re-enrollment of Former Students**

Students previously enrolled and in acceptable academic standing in an undergraduate degree program who wish to re-enter TCU after absence of a full fall or spring semester must apply for re-enrollment and pay an application fee. Official transcripts from each college or university attended since the last enrollment at TCU must be submitted to the Office of the Registrar (see exception under "re-enrollment following suspension"). Eligibility for re-enrollment will be determined upon review and assessment of the student's entire record.

Former TCU students originally awarded an *academic scholarship* who are applying for re-enrollment may petition for the restoration of that scholarship or may be eligible to compete for a transfer academic scholarship if coursework has been completed at another university. Students may not receive a scholarship that exceeds the original TCU scholarship.

**Non-immigrant students** should apply for re-enrollment at least two months prior to registration in order to meet all requirements of the Office of International Student Affairs.

**Re-enrollment involving a change of major.** When a student is re-enrolled with a change of major, the Office of the Registrar will initiate the Change of Major form. Permission to change major requires approval of the dean of the new major. All entrance requirements specific to the new major must also be met. See *Requirements for Graduation* section.

**Re-enrollment following suspension.** All students suspended from TCU for academic or disciplinary reasons must apply for re-enrollment through the Office of the Registrar. No enrollment will be permitted following a period of suspension until re-enrollment is approved by the Office of the Registrar after consultation with the appropriate dean. (See *Academic Probation and Suspension* elsewhere in this bulletin.)

A student suspended from TCU may not transfer credit that was earned at another college or university during the period of enforced suspension, but must submit all transcripts of any work attempted or completed during that period.

A student may not re-enter TCU while on academic suspension from another college or university.

**Re-enrollment following extended separation from the University.** A student accepted for re-enrollment after a ten-year separation from TCU may petition to have all prior coursework at TCU (selected course exclusion is not permitted) excluded from the TCU GPA calculation and credit toward graduation. The petition should be filed no later than the end of the first semester of re-enrollment in a degree program and be addressed to the registrar who will seek the approval of the appropriate academic dean. If the petition is granted, it is irrevocable. Excluded courses and corresponding grades will still appear on the official transcript but will not be included in calculation of the GPA, will not be counted as meeting credit hour requirements for graduation, and will not be used to satisfy course requirements.

#### **Admission of Students Seeking an Additional Bachelor's Degree**

First-time applicants should complete the Application for Undergraduate Admission for Transfer Students. Students who have previously attended TCU should complete the Application for Re-enrollment and see the section *Re-enrollment of Former Students*. See *Additional Bachelor's Degree* in the Bachelor's Degree section. The student's entire academic record, as well as credentials submitted with the application, will be assessed prior to an admission decision.



## Student Affairs Services and Opportunities

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[The Division of Student Affairs](#)

[Campus Life](#)

[Residential Services](#)

[Student ID Card](#)

[Dining Service](#)

[Student Development Services](#)

[Community Involvement and Service Learning](#)

[Transitions Program](#)

[TCU Leadership Center: Center for Ethical Leadership & Responsible Citizenship](#)

[Health Services](#)

[The Counseling Center](#)

[University Career Services](#)

[University Ministries](#)

[TCU Police](#)

[Automobile Regulations](#)

### **The Division of Student Affairs**

The Division of Student Affairs at TCU provides programs, activities, and services that enhance the student experience. TCU offers a rich learning environment, and through a variety of experiences, students engage in an intensive process of intellectual, personal, moral and social development. The Division holds a special but not exclusive responsibility to assure that the co-curricular learning experiences of students are of high quality, are directed to the development of students, and meet both institutional and individual student needs.

The Division complements the academic mission of TCU. Through programs, activities, and services, the Division strives to assure that graduates are prepared to assume roles as productive citizens. Therefore, there is an emphasis on leadership, the ability to accept responsibility and to behave responsibly, understanding the global economy and a diverse society, civic engagement, developing opportunities for critical thinking and application of classroom learning, and preparing students for life transitions.

The Division of Student Affairs provides services central to a quality student career. These include residential services, health services, career services, dining services, parking services, and public safety.

The following units and departments comprise the Division of Student Affairs: Residential Services (Housing and Residence Life, Dining Service,) Health Services (Health Center, Counseling Center, Psychological Services, Health Education); Student Affairs Information Services (Identification Card Center, Card Access); Campus Life (Judicial Affairs, Student Activities, Student Center, Fraternity and Sorority Affairs, International Students); Student Development Services, First Year Experience, Academic Orientation, Frog Camp, Transitions Program, Leadership Development, Women's Programs, Alcohol and Drug Education), Inclusiveness and Intercultural Services, University Recreation Center and Campus Police (Security, Crime Prevention and Parking). The Vice Chancellor for Student Affairs provides leadership for the Division.

### **Campus Life**

The staff of the Office of the Dean of Campus Life is available to advise students and make referrals to appropriate campus resources. The Dean's office verifies serious illness of family emergencies for students, and when academically related, processes official university absences.

Campus Life staff members advise activities and organizations, consult with student leaders, plan workshops and retreats, as well as other campus-wide and organizational events. The Dean is also the Sexual Harassment Officer of the University and is available to confidentially resolve any harassment situations. The office is located in Sadler, room 101 and the telephone number is (817) 257-7926.

### **International Student Services**

TCU has over 450 international students from 82 different nations and over 40 students of US origin whose families reside outside of the United States. Two primary groups serve as organizations to promote international culture and experience: the International Student Association (ISA) and International Orientation Volunteers. ISA has between 40-60 members who meet regularly and who sponsor events, trips and educational forums. Its membership is made up of international students from across the globe along with US students with a global interest. The International Orientation Volunteers is an application-based group of US and International Students who work with new incoming international students and help with programming throughout the year. The Office of International Student Services (817 257 7292) works with these organizations and collaborates with other divisions to promote the 'global' priority of the TCU Mission Statement, while also serving as TCU's office for immigration matters.

### **Fraternity and Sorority Affairs**

There are twenty-nine fraternities and sororities recognized on the TCU campus. Ten of these are Panhellenic sororities, ten IFC fraternities, and five are National Pan-Hellenic fraternities and sororities. Additionally, there are three sororities and one fraternity that make up the multicultural fraternity and sorority community, each with their own recruitment/intake process.

In late May/early June information is mailed out to all incoming students to TCU with information about all these groups. Specific information can also be found on the website at [www.greeks.tcu.edu](http://www.greeks.tcu.edu) or in the Fraternity and Sorority Affairs office in Suite 111 of the Student Center, (817) 257-7281.

### **Brown-Lupton Student Center**

The Brown-Lupton Student Center is at the heart of Horned Frog activities on campus. Entertainment, educational events and conferences are held there throughout the year, virtually non-stop. Frog Prints, the copy center, and a

computer lab are located in the building, along with a quiet study area. The Student Government Association offices, including designated space for other student organizations/clubs, are housed in the lower level of the Center. The ballroom, meeting rooms, programming and lounge spaces' mostly on the upper level' are also available for student use. On the ground level are several university Student Affairs offices that directly serve TCU students. The Brown-Lupton Student Center is also home to the larger dining area, The Main Cafeteria, (or "the Main"). Another place to dine or shop: Frog Bytes, the campus convenience store has organic/healthy options as well as Starbucks, Freshens Yogurt Smoothies, and Pizza Hut Express. Not sure what you need or where your meeting is located? The Information Desk can help. It offers a Notary service, Lost and Found, and a variety of ticket discounts to Fort Worth/Dallas area attractions, in addition to directions! Information Desk hours are from 8 a.m. to 5 p.m. Monday through Friday. For more information, please call (817) 257-7927.

### Judicial Affairs

Students who enroll in TCU are obliged to conduct themselves in a manner that is compatible with the University's function as an educational institution. Each student is expected to be fully acquainted with all published policies, rules, and regulations of the University and will be held responsible for compliance with them. Students are also expected to comply with all federal, state, and local laws. This principle extends to conduct off campus that is likely to have an adverse effect on the University or on the educational process of any student. Students may be held accountable by TCU and by police agencies for the same instance of misconduct.

Reported violations of the Code of Student Conduct are investigated and resolved by staff members in the Division of Student Affairs under the general supervision and direction of the Office of Campus Life. Violations of the Code are subject to a wide range of disciplinary action.

Specific examples of misconduct for which students may be subject to disciplinary action include, but are not limited to, the following:

1. Infliction of bodily or emotional harm.
2. Hazing.
3. Destruction of property.
4. Use, storage, or possession of weapons or dangerous devices.
5. Tampering with safety equipment and arson.
6. Dishonest conduct.
7. Theft/unauthorized use of property.
8. Unauthorized or abusive use of computer equipment, programs, or data.
9. Failure to comply with University authority.
10. The use, production, distribution, sale or possession of drugs in a manner contrary to university policy or prohibited under Texas law. (See *Drug Abuse Policy* for complete details.)
11. The use, production, distribution, sale or possession of alcohol in a manner contrary to university policy or prohibited under Texas law. (See *Alcohol Policy* for details.)
12. Unauthorized entrance to or presence in or on University premises.
13. Disorderly conduct that interferes with or obstructs University-authorized activities.
14. Commission of local, state, or federal criminal offenses.
15. Violation of other published or announced university rules or regulations.
16. Activities that jeopardize building security for any or all residents/students.
17. Behaviors that endanger the well being of any or all residents/students.
18. Causing excessive noise, having guests of the opposite sex in a student room during non-visitation hours, keeping or bringing pets or other animals inside a residence hall, and smoking in any residence hall other than a student room are prohibited.
19. Acts that harm or otherwise negatively affect the appearance of residence hall building exteriors, interiors, or furnishings by failing to exercise reasonable care or in specific acts of vandalism are prohibited.
20. Any act that violates the academic integrity of the institution is considered academic misconduct. (See Academic Conduct Policy)

A complete Code of Student Conduct, including judicial process is available in the TCU Student Handbook, on-line and in the office of the Dean of Campus Life. These documents guide the student discipline and grievance processes.

### Residential Services

#### Residential Services

Living in a TCU residence hall is an integral part of the TCU experience. Residence hall students make new friends, get involved in campus activities, and discover opportunities for personal and intellectual growth. Residence halls are conveniently located on the campus, and the halls provide a comfortable room that a student can call "home" while

at TCU.

Almost one half of the undergraduate students at TCU live on campus. Through academic, cultural, intramural, and social activities, students within each hall determine the hall's character. Participation in these activities assists in the student's adjustment and development within a residential setting.

Residence hall rooms are designed for student comfort and are used for study as well as sleeping and socializing. All accommodations are air-conditioned, non-smoking facilities. Most rooms are designed for double occupancy. The basic student room contains a bed, a desk and chair, a chest, and a closet for each student. Each room is also equipped with a MicroFridge, access to the Internet, TCU Cable Television, and local telephone services. Students are encouraged to add decorative items to personalize their surroundings.

The residence hall office is a primary resource on campus. The Hall Director, a live-in professional who administers the hall, serves as an adviser to students. Each hall has Resident Assistants (RAs) who are sensitive to student needs and alert to student concerns. The hall staff knows the many University resources and can help students find needed assistance.

Residence hall programs at TCU assume that the most productive learning environment extends into all areas of a student's life. All residence halls offer a broad range of programs, which may include social programs, physical activities, career information, study skills, personal management skills, spiritual involvement, and self-help aids. Programs are designed to meet the unique interests of the student population in a particular residence hall. Student involvement enhances the creation of a distinctive hall environment.

**Residence Requirement:** All freshman students (defined as students who are first-year, non-transfer students) under 21 and enrolled for nine or more semester hours are required to live in a residence hall for their first fall and spring semesters unless they are married, divorced, live with parents or legal guardians. Students enrolled for fewer than nine hours may live in a residence hall only with special permission from Residential Services. Housing contracts apply to the entire academic year. Short-term housing contracts for the fall semester are accepted only from graduating seniors or students participating in a University sponsored Study Away program. Students over 25 will be housed by special permission only on a space available basis.

**Housing Reservations:** Newly admitted freshman students will receive information about campus housing in their acceptance packet. Submitting the Advance Housing Payment enters the student into the Residence Hall and Dining Service Contract as well as establishes an assignment priority date. The priority date is the day the Advance Housing Payment is received by the University. Students are assigned to housing based upon their established priority date. Continuing or returning students should make housing reservations each spring for the following fall. This reservation period has two phases: (1) for students continuing in the same hall and (2) for students wishing to change halls. An Advance Housing Payment is required to confirm a reservation for a continuing student and also enters the student into the Residence Hall and Dining Service Contract. Continuing students cannot receive an assignment if the student's University account is not in current status during the signup period. Continuing students who fail to reserve a room by the announced date will lose their priority for housing and may place their name on a Wait List. There is no guarantee a space will become available.

The Advance Housing Payment will be credited to the student's University account in the spring semester after the year-long contract commitment has been met. Upon submission, the Advance Housing Payment is subject to the schedules associated with Pre-Residence Contract Cancellation Charges as outlined in the contract.

Eligible students (based upon information submitted on the FAFSA form) may request to have the Advance Housing Payment waived by completing appropriate waiver forms available from Residential Services. Any student receiving an Advance Housing Payment waiver who cancels the housing reservation will be charged a Contract Cancellation Charge in the same manner as if the Advance Housing Payment had been paid and according to the schedules for Contract Cancellations outlined in the Residence Hall and Dining Service Contract.

Any student who terminates his or her contract prior to occupancy will be credited or charged (as appropriate) as outlined in the Contract Cancellation Charges portion of the contract.

A current resident who is eligible to live off campus and wishes to terminate a housing agreement for the final semester of the contract must notify Residential Services in writing. Contract Cancellation Charges will be imposed according to the schedules outlined in the contract.

Any student who terminates his or her contract subsequent to occupancy (defined as completing any portion of the check-in procedure, accepting a room key, the presence of possessions in a room, etc.) must give written notification, including a statement of reasons for termination, to Residential Services. Contract termination subsequent to occupancy will result in housing charges for the full semester. The student may appeal the charges. Each case will be considered individually.

**Housing Preferences:** While consideration is given to all preferences for hall, room, and roommate, the University assigns accommodations according to the availability of residence hall space. The right to make reassignments is reserved by the University. The University makes room assignments without regard to race, creed, religion, or national origin. TCU does not assign based on any information that may be found in Facebook, Xanga, myspace, or any other external source.

**Private Rooms:** An additional fee is charged for single rooms and for double rooms occupied by one person. First semester freshmen are not eligible for private rooms. Private rooms are assigned on the basis of priority determined by classification and other criteria established by Residential Services. After the first day of classes, students living alone in a double occupancy room must either pay for the private room or participate in the consolidation process with other residents in a similar situation. The University guarantees the private accommodations for one semester only, but students with private rooms in the fall semester are given priority to continue their private accommodations for the spring semester.

Other housing information and current regulations are distributed to students at the beginning of each semester. Detailed housing information may be viewed at [www.rh.tcu.edu/rh/](http://www.rh.tcu.edu/rh/) and at [my.tcu.edu](http://my.tcu.edu) under the Residential Life link.

## Student ID Card

Your TCU ID Card is your access key to many University resources. It is permanent and may be used as long as you are enrolled at TCU. The card is the property of TCU and is non-transferable. If at any time you have any questions or problems with your ID Card, contact the ID Card Center in the Student Center, Room 221 or phone (817) 257-7856 or e-mail IDCenter@tcu.edu.

How it works. Your ID is a computerized plastic card, bearing your photo and TCU ID number, with a magnetic stripe on the back. Each time the card is inserted in a card reader, the data encoded in the magnetic stripe is electronically scanned and sent back to a central computer for verification. The system then transmits whether the card is valid and the transaction accepted.

Where to use your card. You will use your card for: Dining Services, TCU Book Store charges, copying in the Library and Frog Prints, entry into the Library, Recreation Center and various labs and classrooms across campus, athletic and various event admission, vending machines in various buildings across campus, and to verify identity if requested by a TCU official.

Lost or Stolen. Card owners are responsible for reporting lost or stolen cards PROMPTLY, to assure that no one else uses your card. Report lost or stolen cards to The ID Card Center (Student Center, room 221, (817) 257-7856), TCU Police (257-7777), or any dining services area cashier. Until one of these agencies has been notified, you are responsible for any purchases with your card. There is a replacement charge of \$20.00 for a lost or stolen card.

Please remember. The ID Card remains the property of the University at all times and any misuse of the card could result in loss of privileges or disciplinary action. Your card should be in your possession at all times and must be surrendered upon the request of any University official. Upon leaving the University, you must turn in your ID card to your Hall Director or RA, a Fraternity Hall Director, the Dean of Campus Life, or the University ID Card Center.

## Dining Service

Good atmosphere, tasty food and a fair price are the goals of TCU Dining Services. Flexible dining hours, convenient locations and a variety of services, including nutritional counseling and catering are available. Dining plans are offered to meet the demands of a student's busy schedule.

Dining service plans are available to all TCU students; however, students living in a university residence hall are assigned a dining plan based upon the term of admission to TCU. All TCU dining plans permit students to purchase items individually rather than purchasing a predetermined number of meals. Since these plans are not traditional board plans, there is no cost for missed meals. Students may choose from a wide assortment of food offerings at each meal and the cost of items, plus sales tax, will be deducted from the student's prepaid dining service account. The amount spent for each meal depends solely on the choices made. Unused dining funds from the fall semester assigned dining plan roll for use in the spring at which time the assigned or selected dining plan is added to the student's dining service account again. Any remaining funds from assigned or basic requirement dining plans are nonrefundable at the conclusion of the spring semester. Additional information about dining parameters is available at <http://www.rlh.tcu.edu/ProspectiveStudents/dining.htm>.

Dining plans are mandatory for resident students and voluntary for non-resident students. When purchasing a meal, the student can choose from a wide assortment of foods at any of nine dining locations. With flexible dining hours, service from as early as 7:00 a.m. to as late as 1:00 a.m. is available most days throughout the semester.

Dining service plans are not designed to cover all of a student's dining expenses during a semester. Additions to a dining service account may be made at any time during the semester. At the end of the spring semester, unused funds resulting from add-ons will be credited to the student's university account.

Job conflicts and certain academic conflicts (Senior Nursing, Senior Fashion Merchandising, Ranch Management, Student Teaching) may enable students to reduce their dining service plan up to one-half of the minimum requirement. Requests for waivers should be submitted in writing prior to October 1 in fall or February 20 in the spring.

Cash may be used at any time at any of the dining facilities. Dining Service programs are subject to change in accordance with student needs and desires. Questions regarding dining service issues should be directed to TCU Dining Services in the Department of Residential Services.

## Student Development Services

Student Development Services enhances the University's academic mission by intentionally fostering vibrant learning communities which offer personalized educational experiences that support and challenge individual student growth both inside and outside the formal classroom setting, helping students to achieve their potential so they may positively contribute to the great community. The unit provides programs for particular student populations; coordinates leadership education, training and development for the campus community; develops mentoring opportunities for students, faculty and staff; and encourages wellness through physical activity and responsible decisions regarding alcohol and other drugs. The main Student Development Services office is located in Student Center 220. The telephone number is (817) 257-7855.

### Student Organizations

Over one hundred seventy (170) student organizations are available for student involvement. Academic and honorary groups, special interest groups, student activities programming, student government, political organizations, sports clubs, religious and service groups, and national fraternities and sororities are types of TCU campus organizations. This wide range of organizations is provided to expand new interests, enhance the academic experience, develop leadership skills, and meet new friends. All student involvement programs challenge individuals to practice new skills. It is important to learn to set policy, make decisions, lead, and follow others. In essence, student organizations are about leadership that TCU believes can be taught in classes and refined by experience.

### Mentoring Programs

While mentoring is provided both formally and informally across the campus and in the community, there are two designated mentoring programs in which students may participate. Each is discussed below.

#### Campus Mentors

The Campus Mentor program is designed to improve the well being of young adults through taking advantage of the existing networks at TCU. By providing additional training and support to the students, faculty and staff to whom others naturally turn for help, this program makes it easier for these "natural helpers" to continue what they are already doing, and increase the likelihood that students with problems will receive appropriate guidance. The program is a support system for the campus community, which emphasizes wellness, and is proactive in seeking to influence student's attitudes toward healthy lifestyles and a better utilization of university resources.

Campus Mentors are selected by students who have identified various students, faculty, and staff as "natural helpers" from within the university community and organizations on campus. Training is provided before an individual is identified as a Campus Mentor.

#### Sentinels

This program is designed for upper-class students to assist assigned first year students in their transition to the campus community and college life. Sentinels will begin contacting new students in June.

Anyone interested in more information about any part of the Mentoring Programs may call 817.257.7855, visit Student Center Room 220, or email us at campusmentors2@tcu.edu.

#### Women's Resource Center

The TCU Women's Resource Center provides a forum for addressing issues that are especially significant, but not exclusive, to women. The Center encourages dialogue among students, faculty, and staff and is committed to programming that invites participation by the broader Fort Worth community.

Each year the WRC collaborates with curricular and co-curricular units on a variety of programming. Annual programs included in the Women's Resource Center are: International Women's Day Celebration, the Women's Community Dinner, and the Nokia Research Award for women-centered research. On-going programs include DENT (Disordered Eating Networking Team), Pinkbag Lunch Series, and Graduate Women's Brownbag collective.

To receive more information regarding current programming or to become involved in the WRC, contact 817-257-7855.

#### Allies

Allies is an informal network of faculty and staff for gay, lesbian, bisexual, and transgender students. This group provides individual support to those students and educational advocacy to the entire campus community. eQ Alliance is the gay, lesbian, bisexual, transgender, and straight student organization. This student group seeks to foster awareness and understanding of student rights and concerns regarding gender and sexual identity. To receive more information regarding Allies or eQ Alliance, contact (817) 257-7855.

#### Parent Programs

There are two official parent programs at TCU and numerous ways to get involved. They are discussed below.

##### TCU Parents Council

Begun in 1986, the TCU Parents Council, a group of approximately 60 families, meets twice a year to discuss issues surrounding the academic and co-curricular activities of the campus. In addition to receiving information, these parents provide feedback, act as ambassadors to parents within their own communities and assist with university initiatives.

##### The TCU Parents' Association

Started in 2003, the TCU Parents' Association is open to all parents and guardians of all TCU students. The purpose of the Association is to assist and benefit parents and guardians in the following ways:

- To assist parents in the transitional experiences related to the students beginning college;
- To provide communication and resource information to encourage parents to stay informed about and involved with the University;
- To promote and provide support for University programs and activities;
- To enable parents to assist their students into their first careers;
- To create a lifelong partnership between families and the University.

For more information about the Parents' Association go to the website, [www.parents.tcu.edu](http://www.parents.tcu.edu) or email us at [parents@tcu.edu](mailto:parents@tcu.edu).

#### **Alcohol and Drug Education**

The TCU Alcohol and Drug Education (ADE) Center is based on a philosophy of student development incorporating personal and community wellness. The Center promotes healthy life style choices and responsible decision-making through programs, training and alternative activities.

##### The Center's Goals

- 1) Enhance the academic mission of the university by insuring that the abuse of alcohol and other drugs does not interfere with academic goal attainment,
- 2) Enhance student development of leadership skills by providing opportunities for students to positively influence the campus and community environment,
- 3) Enhance student responsibility to self, others, and the world by assisting individuals in making responsible and ethical decisions regarding the use of alcohol and other drugs,
- 4) Clarify and enhance students, sense of citizenship through active involvement in programs designed to educate

and inform the TCU community about substance use and abuse;

5) Continue to improve the efforts of the Alcohol and Drug Education Center and demonstrate effectiveness through needs assessment and evaluations.

Through the organization HyperFrogs, the Center encourages students to develop a sense of responsibility for self, for others, and for their university by assuming leadership in setting behavioral norms for the campus community.

The staff includes Licensed Professional Counselors, who provide confidential assessments and short-term counseling, as well as experts in programming and training. Center staff takes a comprehensive approach, focusing efforts on both effecting the environment and the individual. The scope of these efforts include prevention, intervention, and aftercare. Educational presentations target student organizations, residence halls, fraternity & sorority groups, student-athletes, and academic classes. An extensive Wellness Resource Library containing books, journals cd-roms and videotapes is maintained in the ADE Center.

Students who violate the University's alcohol policy are required to attend an initial one-on-one interview with a professionally trained counselor followed by an educational session administered through the Alcohol and Drug Education Center. The content of the sessions focuses on accurate information on alcohol and other drugs, feedback regarding personal use, guidelines for responsible decision-making with regard to alcohol use, and strategies for helping others who may have problems. Students who receive additional violations attend a more comprehensive educational program.

Anyone interested in services available through the Alcohol and Drug Education Center is encouraged to visit the office or call (817) 257-7100.

### **Community Involvement and Service Learning**

TCU faculty, staff, and students are involved in community service on an organizational and individual basis. The Community Involvement and Service-Learning program works to foster social responsibility and lifelong learning through community engagement and service-learning at TCU. The staff provides and supports co-curricular opportunities that prepare students and inspire them to be engaged citizens and global leaders working to create a more just world.

The National Service-Learning clearinghouse offers this description of service-learning programs: 'Service-learning combines service objectives with learning objectives with the intent that the activity change both the recipient and the provider of the service. This is accomplished by combining service tasks with structured opportunities that link the task to self-reflection, self-discover, and the acquisition and comprehension of values, skills, and knowledge content.'

Information and materials are available to guide groups and individuals in planning, implementing, and reflecting upon service experiences. Assistance is provided in identifying appropriate community based agencies for one-time events and both short-term and long-term placements (i.e., summer, a semester, or several years). Students are welcome to join student organizations who's primary purpose is public service. These groups include: Alpha Phi Omega, Best Buddies, Circle K International, and Habitat for Humanity.

To get involved in service call (817) 257-7855 or visit our website at [www.sds.tcu.edu](http://www.sds.tcu.edu) or visit, Student Center 220.

### **Transitions Program**

The purpose of the TCU Transitions Program is to create intentional structure based on the mission statement of TCU and designed to move students progressively and seamlessly through their college experience at TCU. All students, first-year, sophomore, junior, senior and transfer are included. The goals are:

- To create a purposeful, seamless transitional experience that addresses the developmental needs of all students;
- To integrate curricular and co-curricular into a singular vision that implements and fulfills the mission statement;
- To promote class identity and encourage pride, loyalty and a life long connection to TCU;
- To increase student satisfaction, retention, and 4 year graduation rate;
- To maximize funding and staff resources through cross-departmental, collaborative programming and services.

The First Year Experience is the first of the four Transition programs. Based on the part of the mission statement that addresses "becoming an active learner," there are a number of program initiatives that comprise the First year. Three are discussed below.

#### **Academic Orientation**

The Academic Orientation program is designed to assist new students and families with the transition to university life by providing essential information and helping students meet new and continuing students, faculty, and staff. While at Academic Orientation, students meet with an academic advisor and register for the first semester of classes. Each summer there are several sessions from which to choose, with a special session designed specifically for transfer students. There is also a one-and-a-half-day session in January for all new students who start Spring Semester. Academic Orientation is required for all freshmen. Though orientation is optional for transfer students, it is strongly encouraged. Because TCU has an institutional commitment to new students both in and out of the classroom, curricular programs and services such as academic advising, tutoring services, and the Adams Center for Writing are highlighted in the Academic Services section of this catalog.

For more information please call 817-257-7855 or email [newstudentprograms@tcu.edu](mailto:newstudentprograms@tcu.edu), or check out the web page at [www.sds.tcu.edu](http://www.sds.tcu.edu).

#### **Frog Camp**

Frog Camp is a 3-day experiential retreat that immerses new students in TCU history and traditions, helps them establish new friendships, and guides them to acquiring the skills they need to be successful in college. Each new Horned Frog becomes a part of a small "Frog Group" of no more than 15 students. Along with upper class students and a member of the faculty or staff, Frog Group members will find out what it means to be Horned Frogs and

along the way, forge lasting bonds and friendships!

While each of the camps offers a different emphasis, all of the camps will afford campers the same set of core experiences. These common activities are what make Frog Camp a powerful event. The camps differ in scheduled dates, location of the camp, and the type of challenge each Frog Group will face. For example, our "Challenge" camp groups participate in a team building challenge course and grimy games competition. "Quest" camp groups work on local community outreach projects like Habitat for Humanity and spend free time on a beautiful lake. And for those students interested in investigating their new home away from home, Frog Camp "Casa Nueva" explores all the history, culture, and excitement that Fort Worth has to offer. A variety of activities including the Frog Camp Luau, Spirit Sessions, and Frog Group Discussions, ensure that students will have the know-how and friendships they need to make the most of their college years.

Regardless of the camp a student chooses to attend, he or she will leave with a sense of what it means to be a "Horned Frog" and a new set of close friends.

For more information please call 817-257-7855 or email [newstudentprograms@tcu.edu](mailto:newstudentprograms@tcu.edu), or visit on the web page at [www.sds.tcu.edu](http://www.sds.tcu.edu).

#### Connections

After attending Academic Orientation and Frog Camp, it is time for the student to make a connection to the TCU community. Connections is an 8-week non-academic credit seminar offered through the TCU Leadership Center that is specifically designed to help new students transition successfully to college life.

The mission of Connections is to encourage a smooth transition to college life for first-year students by providing opportunities for peer networking, skill building, leadership development and faculty involvement.

Connections offers:

- A consistent group of first-year students who serve as a support and networking group
- Interaction with successful, upper-class student mentors
- Significant interaction with a faculty member outside a classroom setting
- Class activities that develop leadership, academic, and life skills

Over the course of 8 weeks, small groups of students meet to discuss campus resources, leadership and learning styles, ethical decision making, personal priorities, global citizenship and service learning. In addition, two upper class student mentors and a faculty sponsor assist the students in gaining the skills and knowledge necessary to be successful at TCU. Whether in the classroom, on the challenge course, at a service project, or cheering on the Horned Frogs at an athletic event, Connections is a fun and worthwhile experience for new students, whether they are new to university life or transferring from another college.

For more information, please contact the TCU Leadership Center at 817-257-7855, visit the website [www.sds.tcu.edu](http://www.sds.tcu.edu), or visit Student Development Services in the Brown Lupton Student Center, Room 220.

#### Sophomore Year

The Sophomore Year focuses attention on becoming an ethical leader. Among the many choices students have to develop and understanding of the subject is a course with in the TCU Leadership Center titled, 'Ethical Leadership.' There are also credit-hour classes in a number of different disciplines where the subject is addressed. Other activities of the year include, but are not limited to:

Sophomore Splash and Sophomore Day football Game: These events further acquaint students with the members of the class, addressing issues of class identity and retention.

The Major/Minor Fair and the Student/Faculty Meet `N Greet help students be more educated about the disciplines available to them. The Meet and Greet encourages students to feel comfortable talking with faculty about the discipline and possible future implications.

Sophomore Spotlight: A very popular program sponsored by the University Career Center, Sophomore Spotlight helps students begin to explore possible career options.

Inward Bound: In ward Bound is a leadership class that encourages students to begin to explore their values and beliefs while learning more about study abroad, internships and other resources.

Habitat for Humanity: Launching an ethical leadership initiative, students join ranks to commit to a Habitat build, known in the community as the FrogHouse, in their junior year.

#### Junior Year

The Junior Year focuses on exploring and developing responsible citizenship. Therefore, a great deal of the year is spent on the FrogHouse build. In the fall students are working to raise \$52,500. At the same time, students are working to secure donations for food for the build as well as volunteers for building. In the Spring the build begins and is celebrated and dedicated with great style at its completion.

In addition, Juniors are focusing on their future through events like Professional and Graduate School Day and Junior Jumpstart.

#### Senior Year

The Senior Year is focused on understanding what it means to be a citizen of the global community. Seniors will have already studied abroad and experienced many encounters that could be classified as global. Part of the Senior Year is helping students understand how to integrate these and all their experiences into who they are becoming.

In addition to global community education, the Senior year focuses on closure and transition. The Senior Days allow students to begin to think about all that must happen within the year.

The Senior Conference is a great time for students to develop more skills that will transfer into a graduate program

or a work situation.

The Senior Fair enables students to do all that they need to do to actually graduate.

The Senior Toast allow students the opportunity to enjoy friends, toast their past and their future.

The Senior Days and Chancellor's Reception encourage students to celebrate their accomplishments, thank their faculty, and enjoy the time with family and friends.

#### Transfer Student Services

Upon admission to the University, transfer students are invited to special sessions of Frog Camp and New Student Orientation. Once they arrive, transfers are provided special support services and programs to meet their individual needs. In addition to a weekly newsletter for Transfer students, the Transfer Dean is located in SC 220 and can be reached at [transfers@tcu.edu](mailto:transfers@tcu.edu).

#### TCU Leadership Center: Center for Ethical Leadership & Responsible Citizenship

The TCU Leadership Center: Center for Ethical Leadership & Responsible Citizenship offers leadership programs flexible enough to meet the diverse needs of today's students and comprehensive enough to ensure a thorough exposure to contemporary leadership topics.

As TCU's premier resource for leadership development, the TCU Leadership Center acts as a clearinghouse for programs, information and resources related to leadership development and training. Students may take advantage of an extensive leadership library and video collection, or inquire as to campus training resources. The Center also participates in various campus scholarship and leadership award programs designed to support leadership development at TCU. Additionally, non-credit leadership development classes are offered for students who are interested in dedicating more time and energy to their growth as a leader. The classes include: Connections, Foundations of Leadership, Responsible Citizenship, Community Action, Global Leadership, Ethical Leadership, Women Who Lead and the Senior Seminar. The TCU Leadership Center also offers student international experiences in Italy, Scotland and Mexico.

For more information call (817) 257-7855 or come by the Leadership Center in SC 220.

#### Inclusiveness and Intercultural Services

The mission of the unit of Inclusiveness & Intercultural Services (IIS) is to promote diversity, inclusiveness, and cultural awareness throughout the TCU Community. IIS also provides students of diverse backgrounds with the necessary resources to transition into college life and to succeed on campus and beyond. The unit provides support, guidance and encouragement to TCU students, faculty, and staff through a variety of services: personal and organization advising, cultural programming, mentoring, scholarships, diversity training, and academic/community involvement. In addition to student services, we assist the University with institutional planning and policy formation regarding diversity and inclusiveness. If you would like further information, please contact (817) 257-5557.

#### Health Services

The Brown Lupton Health Center is an outpatient clinic located between Colby Hall and Stadium Drive. The clinic provides ambulatory care for the various needs of TCU students.

A dedicated, well-qualified staff of physicians, nurses, and ancillary personnel offer convenient and economical medical services to undergraduate students taking from 6 or more semester hours and to full-time graduate students. Other students, spouses, and dependents of students are not eligible for care at the Health Center.

During the fall and spring semesters, the Health Center is open from 8 a.m. to 5 p.m., Monday through Friday. Patient care is available from 9 a.m. to 11:30 a.m. and 1:00 p.m. to 4:30 p.m., Monday through Friday.

Medical History/Immunizations. Students attending TCU for the first time must complete a Medical History form including a record of immunizations before registration can be completed. All entering students born after 1957 are required to have had two doses of measles (Rubeola) vaccine after 12 months of age or provide verification that they have had the disease. The immunization must have been received after January 1, 1968, to be effective. In addition, within the 12 months prior to entering TCU, a Mantoux/TB Skin Test is required of all entering students.

Required Health Insurance. All undergraduate students carrying nine or more semester hours are REQUIRED to have health insurance through either an individual/family plan or the University-offered plan. International students, regardless of classification, are required to carry the University-offered insurance as a minimum standard of coverage and are not eligible for a waiver of the insurance. Students majoring in nursing must have health and accident insurance coverage at any time they are enrolled in a clinical course regardless of the number of semester hours carried.

The plan offered by TCU provides major medical coverage at a reasonable cost. Detailed information about the University-offered plan is available by accessing the Health Center's website and clicking on the Insurance Elect/Waive link.

If adequate coverage is provided by a family/individual plan, the University-offered insurance may be waived at the beginning of EACH FALL online at <http://healthcenter.tcu.edu>. A waiver entered at the beginning of the fall semester will remain in effect for that academic year. Failure to enter a waiver online by the specified deadline will result in the student being automatically enrolled in and billed for the University-offered student health insurance. The deadlines are published in the student newspaper, on the Health Center's website, and in e-mails sent to the student's TCU email address. For students entering in the Spring semester, a waiver must be entered online at the beginning of that semester. A waiver entered at the beginning of the fall semester will remain in effect for that academic year. Failure to enter a waiver online by the specified deadline will result in the student being automatically enrolled in and billed for the University-offered student health insurance. The deadlines are published in the student newspaper, in direct mailings to students, on the Health Center's website, and in e-mails sent to the student's TCU e-mail address.

Although not required for graduate students or undergraduates carrying less than nine semester hours, the TCU



Student Health Insurance Plan is available for students attending credit courses by specifically enrolling in the Plan. Internet courses and television (TV) courses do not fulfill the eligibility requirements that the covered student actively attends classes. To specifically elect the University-offered plan, enter that choice online at <http://healthcenter.tcu.edu> prior to the semester's deadline for electing or waiving.

### **The Counseling Center**

Located at the west entrance of the Health Center, Mental Health Services professional staff members provide counseling, psychological and psychiatric services on a short-term basis for TCU students. Students requiring long-term services will be referred to professionals off campus. The staff includes psychiatrists, clinical psychologists, and licensed professional counselors. Services are provided confidentially.

Services provide focus to help students cope with personal concerns as they engage in their academic, social and personal activities. Typical student needs and concerns include resolving interpersonal conflicts, managing stress, coping with loneliness, and handling feelings of depression, anxiety and other emotional crises.

Psychiatric medication management, individual, and group counseling services are available to assist students. In addition, presentations are made to residence halls, classes, and campus organizations on a wide variety of topics in mental health.

The Assessment Program of the Mental Health Services helps students learn more about their aptitudes, achievements, interests, values, and personality. In cooperation with other campus departments, services are also available to students related to learning disabilities. The College-Level Examination Program (CLEP) and national tests for admission to graduate schools are administered by the Mental Health Services.

### **University Career Services**

#### **Career Exploration and Job Search Advising**

University Career Services (UCS) helps students and alumni identify and attain career goals. While students may use the services anytime during their academic experience, many begin exploring career options during the freshman year. The staff of University Career Services helps students evaluate interests, skills, experiences and values and then matches those to potential occupations. Computer resources and printed material in the career library provide opportunities to explore identified occupations.

As students approach their job or internship search, the staff of University Career Services assists students to develop effective job search strategies and techniques through individual advising sessions, videotaped mock interviews, resume critiques and workshops.

#### **Job Search Assistance**

**Job Listings.** Over 50,000 summer, part-time, internship and full-time professional job vacancies are listed with University Career Services each year and are available on a password-protected site on [www.frogjobs.net](http://www.frogjobs.net).

**Resume Database.** TCU uses on-line technology that allows students to register with University Career Services while producing high quality professional resumes. Thousands of resumes are electronically transmitted to employers who request this service annually.

**On-campus Interviews.** Each fall and spring semester, employers come to TCU to interview graduating seniors in all majors for full-time positions after graduation and sophomores and juniors for internship positions. Students must be registered with University Career Services in order to participate in these interviews. Career Fairs are offered to students and alumni for a variety of employment opportunities.

#### **Transitional Programs**

Making the transition from TCU to the world of work or graduate school is challenging to students. University Career Services provides particular programming for sophomores, juniors and seniors to help them prepare for this transition. *Sophomore Spotlight* helps second-year students explore potential occupations and/or academic majors and prepare for seeking internship positions. *Junior Jumpstart*, a one-day retreat held each spring offers advice to juniors to help them prepare for the job search or graduate school applications during their senior year. Topics include resume preparation, the job or graduate school interview, the graduate school application process, job search strategies and the etiquette of a business lunch. Seniors are offered the opportunity to spend a weekend at an area hotel during *Senior Conference* in January. Workshops and general sessions focus on succeeding in life after TCU with sessions on surviving the first year on the job or in graduate school, budgeting an entry-level salary, wardrobe planning, teamwork in the workplace, peer advice from recent graduates and training in the etiquette of a formal dining experience.

For more information or to use UCS at TCU, come to the Student Center Annex, call 817 257-7860 or visit the University Career Services pages on the TCU web site.

### **University Ministries**

University Ministries is the visible focus for an ecumenical and inclusive ministry with students, faculty and staff. These ministries of worship, care for persons, social justice, fellowship, nurture and other dimensions seek to integrate matters of faith into the routine life and work of the University. The offices are on the first floor of the Student Center. The suite serves as a gathering place for a full range of programs, services and ministries that affirm our Christian heritage while enabling respect for the rich diversity of beliefs and practices held within our campus community.

Through direct involvement in campus organizations, residence halls, campus-wide events, or through personal interaction, University Ministries seeks to provide opportunities for ethical choice and to assist members of the TCU community to examine the implications of faith in our lives. University Chapel, held each Wednesday at 5:00 p.m. during the regular University sessions, is a weekly opportunity to celebrate the ecumenical spirit of the Christian faith. Roman Catholic Mass is held weekly, Sunday evenings at 5:00 PM in the Student Center Ballroom. Bring Your Own Bible (BYOB) and the TCU Bible Fellowship provides a weekly study and application of scriptures in small groups.

A wide variety of study, retreats, fellowship, service, and care of persons is available through several denominational ministries as well as through the ecumenical expression of the Uniting Campus Ministries.

Many people find themselves in need of temporary or on-going pastoral care assistance to resolve personal, interpersonal, family, or other concerns. Strict confidentiality is maintained for these services and provided without charge.

Students, faculty and staff are urged to discover a local congregation for the important aspects of life in a gathered community of faith. Students of all creeds and faiths are welcome at TCU and in the programs of University Ministries. Direct assistance is provided in expressing individual traditions as well as making contact with community churches, temples, synagogues, mosques and congregations.

### **University Recreation Center**

The University Recreation Center opened in January of 2003. Managed by the Department of Campus Recreation, the URC is the community center of the campus. The programs and facilities listed below are available to all students and faculty/staff (with memberships) for the purpose of encouraging the lifelong pursuit of active, healthy lifestyles, and to enhance personal development through participation, interaction with faculty, employment, and leadership opportunities.

**Facility:** The 232,000 sq. ft. facility provides for a variety of recreational opportunities. Activities include swimming, basketball, volleyball, badminton, weightlifting, an indoor track for walking and jogging, cardiovascular training equipment, a games area, a climbing wall, computer access, and food service.

**Aquatics:** the Aquatics Program offers instructional and fitness activities in the water, in addition to recreational swimming. There are three pools in the University Recreation Center: 25 yard lap pool, 22 ft deep diving well, and an outdoor leisure pool and patio.

**Intramurals:** Structured, competitive, and recreational sporting events are scheduled throughout the academic year. Activities involve team sports, individual or dual events, and special events. Only currently enrolled TCU students and faculty/staff may participate in the Intramural Sports Program.

**Fitness/Wellness:** In addition to the Rippit Group Exercise program that offers group fitness classes, the Wellness program also offers personal training, massage therapy, fitness assessments, nutrition consultations, and other wellness opportunities through classes and individualized orientations. Group exercise classes are designed for beginner, intermediate, and advanced levels. Educational seminars are also offered to help members achieve healthy, active lifestyles.

**Outdoor Programs:** Through the University Recreation Center's Climbing Wall and the challenge Course program, individuals are allowed to participate in and experience activities that cause them to reflect and learn about their relationship to others as well as their own abilities and limitations. Participants will attempt to recognize their own abilities via the philosophy of 'Challenge by Choice' support their fellow group members and possess a desire to learn more about themselves through low and high ropes course elements. This program is open to all student organizations and classes.

**Sport Clubs:** The Sport Club program is designed to serve individual interests in different sport and recreational activities. Membership is open to all students and the club must be a recognized student organization. These interests can be competitive, recreational, or instructional in nature, as clubs may represent TCU in intercollegiate competition or conduct intra-club activities such as practice, instruction, social activities, and tournament play.

**Memberships:** Members of the TCU faculty and staff are required to purchase membership to have access to the University Recreation Center. The current price is \$60 for an annual membership or \$10 per month for shorter terms. For more information about any of the programs offered by the Department of Campus Recreation please call (817) 257-PLAY.

### **TCU Police**

TCU Police Officers are commissioned by authority of the Board of Trustees of Texas Christian University and are certified as peace officers by the State of Texas to provide police services for the TCU campus. The TCU Police are in service 24 hours a day, seven days a week, and the TCU Police dispatcher can be contacted at any time by telephone, (817) 257-7777. The office is located at 3025 Lubbock Avenue.

#### **TCU Police Programs**

##### **Student Escort Program (Froggie Five-O)**

The TCU Police Department administers a student escort program, Froggie Five-O, for female students. Froggie Five-O operates between the hours of 8:00 p.m. and 1:00 a.m. throughout the school year. Froggie Five-O may escort female students on foot or by golf carts to all areas of the campus. After 1:00 a.m., TCU Police or Security Guards are available to escort students. Students may request an escort by using any of the 73 emergency telephones located on campus or by calling the TCU Police at (817) 257-7777.

##### **Campus Crime Watch**

These programs are of a neighborhood watch nature with the TCU campus being the neighborhood. Meetings for the programs are open to all students, faculty, staff, and friends. The TCU Police Department crime prevention specialist hosts the meetings and provides speakers on subjects of interest to campus community members.

##### **Crime Prevention**

Crime prevention and other services are offered by TCU Police Department and the Fort Worth Police Department's Community Service Office and include: Sexual Assault/Acquaintance Rape Prevention, Personal Awareness/Campus

Alcohol Police Information, Campus Crime Watch Meetings, Crime Prevention Surveys for Home and Business, "Operation ID: Property Identification System, Auto Theft Prevention (Window Etching) and, Vehicle "Jump Starts" (Due to possible problems with electric locks, TCU Police Department is unable to provide vehicle unlocking services).

#### RAD Systems

Rape Aggression Defense system (RAD) has been offered on the TCU campus for several years. RAD teaches women defensive concepts and techniques against various types of assault by utilizing easy, effective, and proven self-defense/martial arts tactics. RAD provides effective options by teaching women to take an active role in their own self-defense and psychological well being. The RAD program was developed for and is offered to females.

#### Lost and Found

The TCU Police Department is the official lost and found office. Articles lost or found should be reported as soon as possible to help the office in returning property to the rightful owner.

#### Waiver of Responsibility

The University takes reasonable steps to protect people and property on the campus. However, it is impossible to provide protection that is 100 percent effective and the University does not accept responsibility for bodily injury, theft or damage to personal property occurring on the campus. Students are encouraged to assure that their own insurance coverage is adequate.

### **Automobile Regulations**

#### Automobile Regulations

All students, faculty and staff who operate a motor vehicle on University property must register that vehicle with the TCU Police Department and comply with the rules and regulations set forth. The annual registration fees and the TCU Campus Parking Rules & Regulations can be found on the TCU Website [www.tcu.edu](http://www.tcu.edu) .

Purchasing a parking permit does not guarantee a parking place nor does the lack of a parking space justify violation of any parking regulation. The fact that a citation is not issued when a vehicle is illegally parked does not mean nor imply that the regulation or rule is no longer in effect.

Illegally parked vehicles may be ticketed, immobilized, or towed by the TCU Police Department. The payment of traffic fines, of immobilization, or towing charges does not entitle the violator to accrue an indefinite number of citations. Continued parking offenses may lead to a suspension of campus driving and parking privileges and may also result in disciplinary action by the University. Whenever it is necessary to move an illegally parked vehicle, an independent wrecker operator will tow the vehicle to the wrecker's storage area. The owner of the vehicle will be responsible for the wrecker fee and storage plus the fine for the traffic violation.

The University does not assume any liability concerning the protection of the motor vehicle or any responsibility for providing special parking places near the building in which an employee works, or a student's residence hall or class.

# Student Financial Aid

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## Overview

Texas Christian University provides an extensive, individually designed financial aid program. There are certain principles that guide the administration of the various programs administered by the TCU Office of Scholarships and Student Financial Aid. First, financing a university education is a joint venture between the family and TCU. Second, eligibility for Title IV federal financial assistance, TCU-funded, and state financial aid programs will be based upon information on the Free Application for Federal Student Aid (FAFSA) as provided by the family. Third, academic scholarships will be based upon the academic achievement of the students. Fourth, those who have excelled academically will be given the largest share of TCU-funded dollars.

Applicants for assistance must be admitted to the University before aid is committed. Those students qualifying for academic scholarships will be reviewed by the Academic Scholarship Committee and notified of the results in March or November depending upon the date of entrance to the University.

Applicants for financial assistance programs must submit the Free Application for Federal Student Aid (FAFSA) no later than March 15 for fall entry and September 1 for spring entry. These dates ensure that this information will arrive at TCU prior to the deadline of May 1 and November 1, respectively. The FAFSA is available at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) or from high school guidance offices, the TCU financial aid office, or in the case of transfer students, other college financial aid offices. Financial assistance files completed after May 1 or November 1 will be reviewed; however, there may be a reduction in the aid offering due to budget limitations. (Deadlines for Ranch Management applicants, athletes, and fine arts performance majors may be extended due to University recruitment practices and for transfer students whose admission is pending due to the availability of final transcripts). All individuals whose FAFSA is selected for verification will be required to submit a copy of the parents' and student's federal income tax return, W-2s, Schedule Cs and a verification worksheet to substantiate the application. Additional documents may be required in individual cases.

Students generally receive aid from a variety of sources. Scholarships, federal, state and institutional grants, work, and/or loans are combined or "packaged" to form the financial assistance award. Approximately 75 percent of the current TCU student body is receiving financial assistance. Questions regarding the University's aid program may be directed to: Director of Scholarships and Student Financial Aid, Texas Christian University, TCU Box 297012, Fort Worth, Texas 76129, (817) 257-7858.

## General Policies for All Programs

1. Students may receive more than one TCU-funded award. However, the annual aggregate of the combined awards may not exceed the value of full tuition for the hours enrolled up to 36 credit hours. Institutional funds may only be applied to tuition costs unless specifically designated as Room and Board Grants. Note: With the exception of the Pell Grant, most federal and state grant programs are also limited to paying tuition costs.
2. Any aid granted by the University may be withdrawn at any time for unsatisfactory conduct.
3. If invited to participate in the Honors Program, scholarship recipients are encouraged to do so.
4. All students receiving financial aid from sources outside the University must notify the Office of Scholarships and Student Financial Aid of the amount and source of such aid.
5. Most financial aid awards are granted for one year and may be renewed if the recipient meets required stipulations. All reapplications and required documents must be received prior to May 1 to ensure funding.
6. Maximum duration of TCU funded awards will be eight semesters or a total of 128 TCU semester hours of undergraduate study, whichever occurs first. A ninth semester of aid is allowed for students in a program requiring more than 128 hours for a baccalaureate degree.
7. Students who receive financial eligibility-based assistance through TCU may not receive funds from any additional source, which will exceed their eligibility. Any student who has been "over-awarded" will have his or her awards reduced by the Office of Scholarships and Student Financial Aid so that all aid received will comply with federal and state guidelines. When possible, this reduction takes place in either the employment or loan programs.
8. TCU funded assistance is restricted to tuition costs for first-degree undergraduates. (Exceptions are made for Ranch Management, Piano Certificate, or Artist Diploma programs and for recipients of Alumni half-tuition, City of Fort Worth Grant, and Professional/Personal Development Grant).
9. Academic scholarships may only be applied to tuition costs. Students receiving awards from other sources that are restricted to tuition charges must choose which award(s) to accept in the event these funds exceed tuition.
10. To be eligible for TCU-funded aid, a student must have a TCU cumulative grade point average of 2.5 or better

and must register for at least 12 semester hours, unless the aid is designated for part-time students. PLEASE NOTE: 27 semester hours of "letter grade" credits each academic year (fall/spring) are required for academic scholarship renewal. See renewal requirements in the Academic Scholarship section.

11. To be eligible for federal and state aid, a student must have a TCU cumulative grade point average of 2.0 or better and must register for at least six semester hours.

12. Students must maintain the requirements outlined in the Undergraduate Student Financial Aid Statement of Satisfactory Academic Progress in order to apply for and receive financial aid.

13. With the exception of TCU International Summer Study programs, grant assistance is generally not available during the summer terms.

14. Graduating seniors in their last semester may register as part-time students. Aid will be offered on a pro rata basis. The student must register for at least 6 hours of credit.

15. Students participating in the TCU London Center or TCU-sponsored international programs are eligible for all TCU-administered aid. Students participating in the Institute of European Studies (IES) or the Council on International Educational Exchange (CIEE) are eligible for all TCU-administered aid except Federal Work/study, Federal Perkins Loan and Nursing Student Loan. State and federal aid, other than Federal Work/study, Perkins Loan and Nursing Student Loan, is available for other U.S. University Programs and Non-U.S. University Programs if there is a consortium agreement on file at TCU.

### Academic Scholarships

TCU rewards academic achievement. The following list of awards is designed to recognize entering students who have excelled academically. In order for a student to compete for an academic award, freshman applicants must complete the application for admission and submit SAT/ACT scores by December 15. Transfer student applicants must be admitted by April 15 for the fall semester and October 1 for the spring semester. These awards are based solely on academic performance without regard to the family's financial condition as evidenced by the FAFSA.

### Freshman Awards

Applicants who meet the December 15 and November 1 (spring entry) admission deadline and submit an outstanding record of academic achievement in a college-prep curriculum will be considered in the competition. Candidates typically rank at the top of their high school class (if class rank is reported), earn high scores on the SAT or ACT and possess a significant record of co-curricular and community involvement. Communication skills, counselor and teacher recommendations, and optionally submitted materials will also be considered.

There are specific renewal requirements common to all academic awards. They are:

1. Successful completion of 27 "letter grade" hours each academic year (fall and spring). Note: Summer courses do not satisfy the requirement.
2. A TCU cumulative GPA of 3.0 is required at the conclusion of the freshman year. Thereafter, a 3.25 TCU cumulative GPA is required at the conclusion of each spring semester.
3. In general, classes designated as Pass/No Credit do not count toward scholarship renewal. An exception is made if that is the only grading option available for that course.
4. F grade, W or Q, I, AU, NR, CR, Advanced Placement (AP), College Level Examination Program (CLEP), and College Board Achievement Tests in Foreign Languages (ACH) will not count toward satisfying requirements.
5. Repeated classes are not counted for scholarship renewal unless the original letter grade was an F.
6. Duration of freshman awards is 8 semesters or 128 TCU semester hours, whichever occurs first.

### Chancellor Scholarship

**Amount:** Full tuition for up to 18 hours per semester for up to 8 undergraduate semesters. Total value in excess of \$92,000.

### Deans Scholarship

**Amount:** \$9,500 per year for up to 8 undergraduate semesters. Total value \$38,000.

### Faculty Scholarship

**Amount:** \$8,000 per year for up to 8 undergraduate semesters. Total value \$32,000.

### TCU Scholarship

**Amount:** \$5,500 per year for up to 8 undergraduate semesters. Total value \$22,000.

### National Merit National Achievement National Hispanic

**Amount:** \$2,000 per year for up to 8 undergraduate semesters. Total value \$8,000.

*Special Note:* Scholars must be designated as finalists in the competition and Merit finalists must officially designate TCU as their first choice. This scholarship may be awarded in addition to another TCU scholarship if the total amount of institutional merit scholarship does not exceed the cost of tuition at TCU.

**TCU Eagle and Gold Scout Scholarship**

**Amount:** \$2,000 per year for up to 8 undergraduate semesters. Total value \$8,000.

*Special Note:* This special scholarship is awarded in recognition of those who have attained the highest rank in Boy Scouts or Girl Scouts and who have not been presented another TCU merit-based award. Completed applications, which are available in the Forms Library at [www.fam.tcu.edu](http://www.fam.tcu.edu), must be received by May 1 of the candidate's high school senior year.

**TCU Academic Achievement Award**

This award is for current TCU students who were at the top of their class at the end of the freshman year and were not awarded an academic scholarship upon entering the University.

**Transfer Awards**

Transfer scholarships are highly competitive. Candidates must present a minimum cumulative college GPA of 3.25 and at least 27 hours of transferable course work. Other factors that will be considered are strength of curriculum, GPA earned during the last 30 hours of course work, communication skills, and extra-curricular activities. Renewal of scholarships is based on the successful completion of at least 27 hours of letter-grade course work at TCU during the academic year (Fall and Spring Terms). A TCU cumulative GPA of 3.25 is required at the conclusion of the Spring Term.

**Transfer Chancellor Scholarship**

**Amount:** Full Tuition for up to 18 hours per semester for up to 4 undergraduate semesters.

Total value in excess of \$46,000.

*Special Note:* Candidates must also, by June 1st, have completed either their associate's degree from a community/junior college, or at least 64 transferable hours of senior/junior college course work.

**Transfer Deans Scholarship**

**Amount:** \$9,500 per year for up to 6 undergraduate semesters. Total value \$28,500.

**Transfer Faculty Scholarship**

**Amount:** \$8,000 per year for up to 6 undergraduate semesters. Total value \$24,000.

**Transfer TCU Scholarship**

**Amount:** \$5,500 per year for up to 6 undergraduate semesters. Total value \$16,500.

**Phi Theta Kappa Alumni Scholarship**

**Amount** \$5,750 per year for up to 6 undergraduate semesters. Total value of \$17,250.

*Special Note:* Active PTK membership is also a pre-requisite for this TCU-sponsored award.

**TCC/TCU Cornerstone Scholarship**

**Amount:** \$9,750 per year for up to 4 undergraduate semesters. Total value \$19,500.

*Special Note:* This scholarship is awarded to select top Tarrant County College Cornerstone Scholars. Candidates must have completed the program at TCC with two years full-time course work or an Associate's Degree. Meeting minimums does not ensure selection.

**Sponsored Scholarships, Outside Awards**

Individuals, foundations, and other agencies place scholarships with TCU. These are awarded by the University through its regular channels in keeping with the standards and/or the conditions stipulated by the donor. Qualified students are considered for these scholarships on the basis of the TCU admissions application. In addition, financial assistance is offered by a number of corporations, foundations, and other organizations, which grant them directly to the student, who may then select the institution where the award is to be used. High school principals and counselors usually have information concerning such awards.

**Performance Awards**

TCU offers talent-based awards. Recipients of these awards are recommended by the individual department(s) and the awards may or may not be based in part upon the results of the FAFSA.

**Athletic Grant-in-Aid.** Grants-in-aid for intercollegiate athletes are granted in accordance with the policies of the National Collegiate Athletic Association and the USA Athletic Conference; however, athletes who apply for state or federal grants or for other TCU financial assistance programs must meet the standards for regular financial assistance.

**Nordan Fine Arts Scholarship.** These awards are made to exceptionally talented students in art, ballet/modern dance, music, and theatre. They hold a value of up to \$40,000 over a four-year period for undergraduate students. The awards are renewable each year subject to the recipient fulfilling expectations. For more information contact: Dean, College of Fine Arts, TCU Box 298000, Fort Worth, Texas 76129.

**Band Awards.** Funds are available to some members of the Horned Frog Band. The amount of the award will depend upon talent and availability of other aid. Awards are made on recommendation of the Director of Bands after an audition. Awards may be renewed.

**Orchestra and Choral Awards.** Funds are available to some members of the University Orchestra and Choral Programs. The amount of the awards depends upon talent and availability of other aid. Awards are made on recommendation of the Director of the Orchestra and the Director of the Choir after an audition. Awards may be renewed.

#### **Religious Affiliated Programs**

To receive aid from more than one religious-affiliated program, applicants must demonstrate financial eligibility through the Free Application for Federal Student Aid (FAFSA).

**Beasley Foundation Grants.** These grants are for members of the Christian Church (Disciples of Christ) and are made available through the Theodore and Beulah Beasley Foundation, Inc. They are based on the results of the FAFSA, academic achievement, and leadership potential. To be eligible, a student must rank in the top 25% of his/her high school class or have a minimum SAT 1100/ACT 24 or a 3.0 high school grade point average, or a 2.5 cumulative transfer grade point average. The amount of assistance depends on the results of the FAFSA and availability of other aid. Most awards range from \$1,000 to \$4,000. Consideration for renewal is based upon successful completion of at least 24 hours and achievement of a minimum TCU cumulative GPA of 2.5.

**Bermont Family Undergraduate Jewish Student Scholarship.** Award for entering freshmen or transfer students who are Jewish. Preference will be given to student applicants who demonstrate financial need as evidenced by the Free Application for Federal Student Aid (FAFSA). Amount varies.

**Church Vocation Conditional Loan.** Through the cooperation of the Christian Church (Disciples of Christ), TCU is able to award financial assistance to students, regardless of denomination, preparing to become ordained clergy, church musicians, or directors of religious education in a full-time church vocation affiliated with a church denomination. These awards will be in an amount not to exceed one-half tuition for up to 18 hours per semester. The minister and the board (or governing body) of the applicant's home congregation must certify the applicant as a member in good standing and as a candidate for full-time church-related work. In addition, a letter of recommendation from an appropriate church official is required, along with an essay from the candidate reflecting on the individual's theological development and commitment to devote his/her life to the ministry of the Gospel of Christ as a full-time vocation. This certification should be received by TCU prior to May 1 for the fall semester and November 1 for the spring semester.

Prior to May 1 each year, all recipients will re-certify their commitment to enter a full-time church vocation and present evidence of their progress toward that goal. The home congregation, the TCU Scholarship Committee and the Department of Religion will review the re-certification. Award decisions will be based on several factors including academic record, applicant's essay and letter of recommendation. Candidates who are members of the Christian Church (Disciples of Christ) will be given preference. Financial eligibility as demonstrated by the FAFSA will be considered although it will not be an absolute prerequisite for receiving an award.

Recipients of a church vocation loan must enroll in an undergraduate program leading to a baccalaureate degree from TCU. They are required to major or minor in Religion or major in church music. Minimum renewal requirements are a 2.5 TCU cumulative GPA and successful completion of at least 24 semester hours during the academic year. Recipients are required to sign a promissory note for the amount of the loan plus interest. Recipients who complete their preparation and go into church vocations will have this obligation forgiven based on the number of years in a church vocation. Applications for a church vocation loan may be obtained from the Forms Library of the Financial Aid section at [www.fam.tcu.edu](http://www.fam.tcu.edu).

**Christian Youth Fellowship (CYF Grant).** Through the cooperation of the Christian Church (Disciples of Christ), TCU is able to offer tuition assistance to regional officers of the Christian Youth Fellowship. These awards will be in an amount not to exceed one-half tuition for up to 18 hours per semester and is renewable for eight semesters providing the student meets the criteria for financial aid satisfactory academic progress. Additionally, a TCU cumulative 2.5 GPA is required for renewal.

**Minister and Minister's Dependent Grant.** Through funds provided by the Christian Churches of Texas, New Mexico and Louisiana, partial-tuition grants are available to certain categories of "closely related" students attending TCU. Included are:

1. spouses of full-time students of Brite Divinity School, the graduate seminary;
2. unmarried youths under 23 years of age who are dependent children of Christian Church (Disciples of Christ) ministers in full-time active service (including missionaries) and youths of Juliette Fowler Home (including employees of the Home);
3. spouses of full-time Christian Church (Disciples of Christ) ministers and
4. full-time Christian Church (Disciples of Christ) ministers who wish to continue their education on a part-time basis in the undergraduate program.

Students enrolled full-time in the regular undergraduate program are entitled to one-half tuition grants for up to 18 hours per semester. Applications must be made by May 1 each year.

#### **Federal Grant Programs**

Eligibility for the following programs is based upon receipt and evaluation of the FAFSA. The FAFSA must be submitted no later than March 15 for fall entry and September 1 for spring entry. These dates ensure that this information will arrive at TCU prior to the deadline of May 1 and November 1, respectively. These programs are subject to the provisions stated in General Policies, listed earlier in this section of the Bulletin, as well as specific programmatic requirements as defined.

**Federal Pell Grant.** This is a federally funded grant for undergraduate students only. The maximum amount of the grant is established by the U.S. Department of Education on an annual basis. Grants range from \$200 to \$4,050

depending on federal allocations and eligibility.

**Federal Supplemental Educational Opportunity Grant (SEOG).** The average SEOG award at TCU is approximately \$400 per academic year. Eligibility extends to completion of the first undergraduate degree. All SEOG awards are dependent on the funding levels approved by federal government appropriations and awards to the institutions.

### State and Institutional Grant Programs

Eligibility for the following programs is based upon receipt and evaluation of the FAFSA. The FAFSA must be submitted no later than March 15 for fall entry and September 1 for spring entry. These dates ensure that this information will arrive at TCU prior to the deadline of May 1 and November 1, respectively. These programs are subject to the provisions stated in General Policies, listed earlier in this section of the Bulletin, as well as specific programmatic requirements as defined by the Texas Higher Education Coordinating Board.

**TCU Grant.** Students with financial eligibility are considered for participation in this program. The results of the FAFSA, class rank and SAT/ACT are reviewed. The award is based upon the quality of the entire applicant pool. Renewal is based upon results of the FAFSA and a minimum TCU cumulative GPA of 2.5.

**Middle Income Assistance Program.** Awards vary, generally between \$500 and \$2,550.

**Tuition Equalization Grant (TEG).** The State of Texas sponsors a program to help equalize the cost of tuition between independent universities and the state public institutions. TCU participates in this program. To qualify, a student must:

1. be a Texas resident as defined by the Texas Higher Education Coordinating Board;
2. establish financial eligibility as evidenced by the FAFSA;
3. not be the recipient of an athletic scholarship during the semester the student is receiving the TEG;
4. provide results of a processed FAFSA no later than May 1 for fall and November 1 for spring.

**Leveraging Educational Assistance Partnership (LEAP).** LEAP may be combined with the TEG to assist undergraduates who have established additional eligibility through the FAFSA. The number awarded and the amount of the award is dependent upon the availability of funds provided by the federal government.

**TEXAS Grant Program.** The TEXAS GRANT Program is sponsored by the state of Texas and available to Renewal applicants only as of September 1, 2005. To renew, a student must:

1. have received their first TEXAS GRANT prior to September 1, 2005;
2. be a Texas resident as defined by the Texas Higher Education Coordinating Board;
3. establish financial eligibility as evidenced by the FAFSA;
4. successfully complete 75% of full-time hours with a TCU cumulative GPA of 2.5
5. not be convicted of a felony or a crime involving a controlled substance;
6. enroll at least 3/4-time in an undergraduate degree or certificate program within 16 months of high school graduation.

### Programs for Non-Traditional Students

Responding to the needs of several types of part-time, adult and non-traditional students, TCU offers the following programs. Information and applications may be obtained by contacting the Office of Scholarships and Student Financial Aid, Sadler Hall 108, telephone (817) 257-7858. Students receiving assistance through these programs must maintain the standards set forth in the Undergraduate Student Financial Aid Statement of Satisfactory Academic Progress outlined elsewhere in this Undergraduate Studies Bulletin.

**Personal/Professional Development Grant.** Awards are available to qualified part-time, independent students at least 22 years of age. This first-come, first-served grant is available to students who often do not qualify for other forms of financial assistance. With the exception of Pell Grants and educational loans, these grants may not be combined with other TCU-administered aid.

**Alumni Half-Tuition.** Persons with a TCU degree are eligible to take additional undergraduate courses, except for performance music, at half-tuition. Funds for this program are limited and some restrictions apply. A student may not be receiving tuition funds from any other source with the exception of educational loans and may not combine this award with other financial aid administered by TCU. A student concurrently enrolled in a graduate degree program at TCU may not combine this award with aid through a Graduate Department. Readmission to the University as a non-degree student is available through the Office of Extended Education. For admission as a degree-seeking student contact the Office of Admission. This assistance is awarded on a funds and space available basis to students who register on the second day of class. Applications, which may be completed in advance, are available in the Office of Scholarships and Student Financial Aid, Sadler Hall 108.

**City of Fort Worth Grant.** City of Fort Worth employees are eligible to receive tuition assistance in accordance with a cooperative agreement between TCU and the City of Fort Worth. Applications are available in the Office of Scholarships and Student Financial Aid, Sadler Hall 108.

### Employment Programs

**Federal Work-Study Program (FWS).** This federally-funded program provides a portion of the wages earned by students employed on campus. To receive a Work-study award, the applicant must have financial eligibility as



evidenced by the Free Application for Federal Student Aid (FAFSA). Students employed through this program must be capable of maintaining good standing in their course of study while employed. To research current job listings, visit [www.frogjobs.net](http://www.frogjobs.net), and click on "Student/Alum Log-in." If you are a new user, click on the "Click Here to Register" link. Once you have found a position in which you are interested, follow the instructions for application. Student employees are paid by check every two weeks for actual hours worked.

**Texas College Work-Study Program.** This state-funded program provides a portion of the wages earned by students employed on campus. Students must be Texas residents. To receive a Work-Study award, the applicant must have financial eligibility as evidenced by the Free Application for Federal Student Aid (FAFSA). Students employed through this program must be capable of maintaining good standing in their course of study while employed. To research current job listings, visit [www.frogjobs.net](http://www.frogjobs.net), and click on "Student/Alum Log-in." If you are a new user, click on the "Click Here to Register" link. Once you have found a position in which you are interested, follow the instructions for application. Student employees are paid by check every two weeks for actual hours worked.

**University Student Employment.** TCU offers a number of student jobs through the various departments on campus. To research current job listings, visit [www.frogjobs.net](http://www.frogjobs.net), and click on "Student/Alum Log-in." If you are a new user, click on the "Click Here to Register" link. Once you have found a position in which you are interested, follow the instructions for application. Student employees are paid by check every two weeks for actual hours worked. Eligibility is not necessarily related to the FAFSA; however, some departments may prefer to hire students with work-study awards.

**Employment in the Fort Worth Area.** Students may also find employment in the Fort Worth area. Business establishments adjacent to the campus frequently employ TCU students. Other business enterprises in more distant areas of the community also employ TCU students who have means of transportation to and from the job. Employment opportunities in the area are particularly advantageous to students who are pursuing certain career fields where on-the-job training may be helpful. The Career Services Office provides assistance in helping students locate these types of employment.

**Residence Hall Assistants.** There are several staff positions for upper-class students as Resident Assistants in each residence hall. Required are leadership ability, an appreciation for the University's educational philosophy, and a concern for other students' needs. Applications should be made to the Office of Residential Services. Dates for applications are announced each spring.

#### Student Loan Programs

Loans must be repaid and require the signing of a promissory note. There are several types of loans available to students attending TCU.

**B-On-Time Loan** The B-On-Time is a state loan program with possibilities for loan forgiveness. This is a no interest loan with a 3% origination fee deducted from the disbursement. The loan will be forgiven for students who complete their undergraduate degree with a total number of credit hours that is no more than 6 hours above what is required to complete the degree, with a cumulative GPA of 3.0 or higher. Applicant must have graduated from High School May 2003 or later. Full time enrollment and Texas Residency are required. Students may not concurrently receive a B-On-Time Loan and the Texas Grant. If a student does not qualify for loan forgiveness, normal repayment is a minimum of \$75.00 over a period of up to 15 years. Payment begins 6 months after student ceases to be enrolled half time. Renewal is based on the availability of funds and requires annual filing of the FAFSA, and TCU cumulative GPA of 2.5 or higher. Forgiven BOT loans must be reported to the IRS as taxable income. Funds are limited.

**Federal Carl Perkins Student Loan** (formerly National Direct Student Loan, NDSL). TCU is the lender. Eligibility is determined by the FAFSA. This program has a fixed interest rate of 5%. No payment of principal or interest is required nor does the interest accrue until one ceases to be a half-time student (normally carrying 6 semester hours). Repayment begins nine months after one is no longer enrolled at least half-time. One may prepay (early payment) at any time while incurring no additional charge. Normal payment is a minimum of \$40 per month over a period of up to ten years. A signed promissory note is required.

**Nursing Student Loan (NSL)** TCU is the lender. Eligibility is determined by the FAFSA. This program has a fixed interest rate of 5%. No payment of interest or principal is required nor does the interest accrue until one ceases to be at least a half-time student (normally carrying 6 semester hours). Repayment begins nine months after one is no longer enrolled at least half time. Normal repayment is a minimum of \$15 per month over a period of up to ten years.

**Federal Stafford Student Loan (FSSL).** Formerly Guaranteed Student Loan (GSL). Eligibility is determined by the FAFSA. TCU is not the lender. The applicant may choose any bank, savings and loan association, credit union, or other traditional lender that participates in the student loan program. The Office of Scholarships and Student Financial Aid maintains a list of lenders that are used by a number of TCU students and that provide a satisfactory level of service to students. For loans first disbursed on July 1, 2006 or after, the program has a 6.8% fixed interest rate. Borrowers with an outstanding loan balance prior to this date should review their disclosure statements for applicable interest rate information. Normally, the repayment period for the loan will be ten years. The federal government pays the interest during the period of at least half-time enrollment and during the six-month grace period.

Undergraduate students may borrow up to \$2,625 during the first year of study, \$3,500 during the second year of study, and \$5,500 per year for subsequent years of study to a maximum of \$23,000. Repayment begins six months after one is no longer enrolled at least half time. The lender may deduct an origination fee up to 3% from the proceeds of the loan at the time of disbursement.

**Unsubsidized Federal Stafford Student Loan.** The FAFSA is required. Eligibility is determined by subtracting other forms of aid from the TCU 'Estimated Cost of Attendance' as defined by federal law. Terms and interest rates are the same as for the FSSL with the following exceptions: interest on the Unsubsidized Federal Stafford Loan must be paid monthly, quarterly, or be added into the principal amount of the loan.

Dependent undergraduate students may borrow up to the following maximums by combining Subsidized Stafford

loan with the Unsubsidized Stafford Loan: \$2,625 during the first year of study, \$3,500 per year during the second year of study, and \$5,500 per year for subsequent years of study to a maximum of \$23,000. The lender may deduct an origination fee up to 3% from the proceeds of the loan at the time of disbursement.

Independent undergraduate students may borrow up to the following maximums by combining Subsidized Stafford loan with the Unsubsidized Stafford Student Loan: \$6,625 during the first year of study, \$7,500 during the second year of study, and \$10,500 per year for subsequent years of study to a maximum of \$46,000. The lender may deduct an origination fee up to 3% from the proceeds of the loan at the time of disbursement.

**College Access Loan (CAL).** The lender is the Texas Higher Education Coordinating Board. This student loan is for Texas residents or recipients of competitive academic scholarships of at least \$500 who are enrolled at least half-time. Financial need is not a requisite, but applicants must submit the Free Application for Federal Student Aid (FAFSA). A credit-worthy co-signer is required. Loan amounts are limited to the student's cost of attendance per year, and to a maximum aggregate of \$45,000. This program has a 5.25% simple interest rate beginning the date of disbursement. Borrowers with an outstanding balance prior to June 15, 2003, should review their disclosure statements for applicable interest rate information. Repayment begins six months after the student ceases to be enrolled at least half time. Applications may be completed on line at [www.hhloans.com](http://www.hhloans.com).

**Federal Parent Loan For Undergraduate Students (PLUS).** TCU is not your lender. A parent of an undergraduate student may borrow an amount up to the estimated cost of attendance as defined by federal law minus other forms of financial aid. For loans first disbursed on July 1, 2006 or after, the program has an 8.5% fixed interest rate. Borrowers with an outstanding loan balance prior to this date should review their disclosure statements for applicable interest rate information. Repayment of principal and interest begins approximately 60 days following disbursement and allows the borrower up to ten years in repayment. Most lenders offer postponement of payments until the student graduates or ceases to be half-time.

**Etta Newby Loan.** TCU is the lender. This program requires Texas residency with preference given to Fort Worth high school graduates. A FAFSA must be filed. Applicants must have at least a 2.5 overall grade point average. The maximum borrowing is \$2,200 per year, \$8,000 aggregate. There is no interest charged; however, recipients are expected (not required) to make contributions to the fund after the debt is repaid. Repayment begins one month after the student graduates or ceases to be at least a half-time student at TCU. Funds are limited.

**Emergency Loans.** TCU has additional funds provided by friends and alumni to be used in emergency situations. Loans are short term and must be repaid within 30 days. A loan committee will review each loan application.

#### Other Financial Assistance Programs

**Tandy Grant.** Charles Tandy established a trust fund in 1975 for the purpose of underwriting grants for employees of the Tandy Corporation and their lineal descendants (i.e., children and grandchildren). The dollar amount of the grants varies from year to year, depending upon the number of applicants and the amount available from the fund. Students may apply for the minimum grant simply by completing the application form, which may be obtained in the TCU Office of Scholarships and Student Financial Aid. A FAFSA is required in order to be considered for more than the minimum grant. This award is subject to the General Policies of All Programs as outlined elsewhere in this Bulletin.

**Big Brothers Big Sisters of Tarrant County Scholarship.** TCU students who are currently serving as a Big Brother or Sister, or those who have been a Little Brother or Sister at one time may apply. Recipients receive \$2,000 for the academic year and may reapply for a total of four years. Financial eligibility must be established through the FAFSA. Incoming freshmen must be ranked in the top 25% of their high school class. Transfer students and current TCU students must have a grade point average of 2.5. Due to a need for minority Big Brothers, the donor has stipulated a preference for male minority applicants. Applications are available in the TCU Office of Scholarships and Student Financial Aid.

**Hatton W. Sumners Partial-Tuition Grant.** Students majoring in political science, history, pre-law, or educational social studies may apply. Applicants must be U. S. citizens, enrolled full time, be in good academic standing and demonstrate financial eligibility through the FAFSA. Amount varies.

**Hope Pierce Tartt Scholarship.** Residents of Gregg, Harrison, Marion, Panola, and Upshur counties in the state of Texas may apply. The FAFSA is required. Amount varies and is generally between \$500 and \$1,000.

**International Student Awards.** A limited number of awards are available for international students based upon financial need and/or merit. The award amounts vary. Awards are subject to the General Policies of All Programs and the Undergraduate Student Financial Aid Statement of Satisfactory Academic Progress.

**Martin Luther King, Jr. Scholarship.** Application process is open to students who indicate a career goal that demonstrates a service to humanity. Amount varies and is generally between \$500 and \$2,000.

**M. D. Anderson Pre-Med Scholarship.** Applicants must have completed Chemistry 10113, 10122, 10123, or Chemistry 10114 or 10124 and Biology 10504, 10514, or equivalent, and have a cumulative TCU GPA of at least 3.0 overall and in the sciences. Applicants must demonstrate service to TCU, fellow students and the profession. Evidence of health-related experience and motivation toward a career as a doctor or dentist is also required. Amount varies and is generally from \$500 to \$5,000 per year.

**State Scholarship and Grant Programs.** Connecticut, Delaware, Michigan, Pennsylvania and Vermont award state grants to their residents, which may be used for enrollment at TCU. Residents of these states should contact the Higher Education Assistance Agency at the appropriate state capitol.

**Summer International Study Grant.** A limited number of grants are available for continuing TCU students in degree programs. The award amounts vary. Students must file a FAFSA for the academic year preceding the summer international study to be considered. Awards are subject to the General Policies of All Programs and the Undergraduate Student Financial Aid Statement of Satisfactory Academic Progress.

**London Center Study Grant.** Award for degree-seeking students with financial eligibility enrolling in the TCU London Center. Applicants must have at least a 2.5 TCU cumulative GPA. Amounts vary and are generally between

\$500 and \$2,000.

**ROTC Scholarship Programs.** The U.S. Army and Air Force defray some or all expenses for tuition and fees, provide a textbook allowance, and pay a monthly stipend to highly qualified young persons selected to participate in the ROTC College Scholarship Program. Successful completion of the ROTC course and all academic requirements for a bachelor's degree qualifies participants for an officer's commission in the Air Force or Army. A service obligation is incurred by those commissioned through this program. Awards are available to entering freshmen as well as to current TCU students.

Four-year and Three-year Advance Designee ROTC Scholarship winners are eligible to compete for a limited number of TCU Room and Board Supplement Grants and TCU ROTC Activity Grants. To be considered, the student must meet the scholarship deadline (January 15) and the financial aid deadline (May 1). Inquiries should be made directly to the Professor of Military Science (Army) or the Professor of Aerospace Studies (Air Force) at TCU.

**Veterans Administration (V.A.)** The Office of the Registrar will assist individuals eligible for veteran educational assistance benefits.

**Vocational Rehabilitation.** The Texas Rehabilitation Commission (TRC) offers assistance for tuition and non-refundable fees to students who have certain disabling conditions. The vocational objectives of the applicant must be approved by a TRC counselor. Examples of such conditions include orthopedic deformities, emotional disorders, diabetes, epilepsy, and heart conditions. Other services are also available to assist the handicapped student to become employable. Application for such service should be made at Texas Rehabilitation Commission, Fort Worth District Office.

## **UNDERGRADUATE STUDENT FINANCIAL AID STATEMENT OF SATISFACTORY ACADEMIC PROGRESS**

All students must maintain certain requirements to receive financial aid. Credit hours attempted, credit hours completed and TCU grade point average are reviewed in June at the conclusion of each academic year to determine whether satisfactory progress is being maintained. Additionally, a student on academic warning or probation will be reviewed at the conclusion of each academic semester. **Please note, students deemed academically ineligible by the Registrar's Office are not eligible to receive financial aid.** (See Sections I, II, III, IV.)

The following statement outlines the requirements for satisfactory progress and how those requirements are monitored. Enrollment status is determined on the final day of the 100% refund period.

### **Section I - Full-Time Undergraduate Student** (12+ Hours/Semester)

- A. Complete and receive academic credit for at least 24 hours annually. (See Section V)
- B. Maintain a TCU grade point average (GPA) of at least 2.0 on hours completed.
- C. Not be on academic probation.

### **Section II - 3/4 Time Undergraduate Student** (9-11 Hours/Semester)

- A. Complete and receive academic credit for at least 6 hours per semester. (See Section V)
- B. Maintain a TCU grade point average of at least 2.0 on hours completed.
- C. Not be on academic probation.

### **Section III - 1/2 Time Undergraduate Student** (6-8 Hours/Semester)

- A. Complete and receive academic credit for 50% of the number of hours for which enrolled. (See Section V)
- B. Maintain a TCU cumulative grade point average of at least 2.0 on the hours completed.
- C. Not be on academic probation.

### **Section IV - Less than 1/2 Time Undergraduate Student** (1-5 Hours/Semester)

- A. Complete and receive academic credit for the number of hours for which enrolled. (See Section V)
- B. Maintain a TCU cumulative grade point average of at least 2.0 on the hours completed.
- C. Not be on academic probation.

### **Section V - Criteria Used to Evaluate Grades**

- A. The following will be counted as credits completed:

A through D grades, and P

- B. The following will not be considered as credits completed:

F, W, Q, I, AU, NR, and CR; Repeated Courses; Advanced Placement (AP);  
College Level Examination Program (CLEP);  
College Board Achievement Test in Foreign Languages (ACH)

- C. Repeated courses will not be counted towards satisfactory academic progress unless the student previously received a grade of F or D in a course, which a grade of C or better is required for degree completion. A student affected by either of these situations must notify our office for individual review.

### **Section VI - Schedule of Completion of Degree Requirements - Full-Time**

Satisfactory academic progress is evaluated at the conclusion of each fall and spring semester.

A student who is registered as a full time student and completes fewer than the required number of hours may attend summer school to re-establish eligibility for financial aid. If the student attends an institution other than TCU, the individual's academic dean must approve the coursework as applying toward a TCU degree. It is the student's responsibility to notify our office after completing summer coursework.

#### **Section VII – Schedule of Completion of Degree Requirements- Part Time**

Satisfactory academic progress is evaluated at the conclusion of each fall and spring semester.

A student who is registered as a part time student and completes fewer than the required number of hours may attend summer school to re-establish eligibility for financial aid. If the student attends an institution other than TCU, the individual's academic dean must approve the coursework as applying toward a TCU degree. It is the student's responsibility to notify our office after completing summer coursework.

#### **Section VIII - Financial Assistance Probation**

A student will be expected to maintain satisfactory academic progress (TCU cumulative GPA) as defined in Section(s) I, II, III, and IV while in attendance. If the student does not maintain the requirements, he/she will be placed on financial aid probation. Failure to maintain the requirements will result in financial aid suspension. If a student is placed on academic or continued academic probation a second time during his/her academic career, the student will be placed on financial assistance suspension.

#### **Section IX - Financial Assistance Suspension**

Financial assistance suspension is the loss of aid for a specific period. The student will not be allowed to participate in any university, state or federal programs, including all educational loan programs. A student will remain on financial aid suspension until he/she is removed from academic probation.

#### **Section X - Appeals Procedure**

If a student is denied financial aid or academic scholarship because of lack of satisfactory academic progress, he/she may appeal the loss of aid. Appeals must be made in writing to the Scholarship Advisory Committee. (Appeal applications are available in the Office of Scholarships and Student Financial Aid and in the forms library at <http://my.tcu.edu>). The Scholarship Advisory Committee will meet June 30 and August 1 to review appeals for the fall semester. The Committee also meets in early January for the spring semester. Appeals must be received in the financial aid office by June 30 for the June meeting and August 1 for the August meeting. You may contact the Office of Scholarships and Student Financial Aid for the deadline to submit appeals for the January meeting. The student will be notified of the decision as soon as possible after the Committee meets.

#### **Section XI - Reinstatement of Aid**

If the appeal is denied or a student does not appeal, one of the following conditions must be satisfied before the student is eligible to receive aid again.

A student must attend TCU without the benefit of financial aid for two full semesters during the regular academic year. In addition to maintaining the cumulative grade point average, the student must also satisfy the requirements outlined in Section VI and VII before aid is reinstated.

#### **OR**

A student can cease enrollment at TCU for two full semesters during the regular academic year. Assistance will be reinstated for one semester upon the student's re-admittance. Renewal of aid for the next semester will be based upon compliance with Sections I, II, III and IV. Please note, hour requirements are not monitored for students ceasing enrollment.

#### **Section XII**

If an appeal or summer school work makes a student eligible for aid for the following year, the student will be considered for all aid for which he/she is eligible and for which funds are still available on the date eligibility is reinstated.

## Student Policies

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[Academic Conduct Policy](#)

[Student Grievance Procedure](#)

[Alcohol Use Policy](#)

[Drug Abuse Policy](#)

[University Judicial System](#)

[Bill of Student Rights and Responsibilities](#)

### Academic Conduct Policy

An academic community requires the highest standards of honor and integrity in all of its participants if it is to fulfill its missions. In such a community faculty, students, and staff are expected to maintain high standards of academic conduct. The purpose of this policy is to make all aware of these expectations. Additionally, the policy outlines some, but not all, of the situations which can arise that violate these standards. Further, the policy sets forth a set of procedures, characterized by a "sense of fair play," which will be used when these standards are violated. In this spirit, definitions of academic misconduct are listed below. These are not meant to be exhaustive.

#### I. ACADEMIC MISCONDUCT

Any act that violates the spirit of the academic conduct policy is considered academic misconduct. Specific examples include, but are not limited to:

**A. Cheating.** Includes, but is not limited to:

1. Copying from another student's test paper, laboratory report, other report, or computer files and listings.
2. Using in any academic exercise or academic setting, material and/or devices not authorized by the person in charge of the test.
3. Collaborating with or seeking aid from another student during an academic exercise without the permission of the person in charge of the exercise.
4. Knowingly using, buying, selling, stealing, transporting, or soliciting in its entirety or in part, the contents of a test or other assignment unauthorized for release.
5. Substituting for another student, or permitting another student to substitute for oneself, in a manner that leads to misrepresentation of either or both students work.

**B. Plagiarism.** The appropriation, theft, purchase, or obtaining by any means another's work, and the unacknowledged submission or incorporation of that work as one's own offered for credit. Appropriation includes the quoting or paraphrasing of another's work without giving credit therefore.

**C. Collusion.** The unauthorized collaboration with another in preparing work offered for credit.

**D. Abuse of resource materials.** Mutilating, destroying, concealing, or stealing such materials.

**E. Computer misuse.** Unauthorized or illegal use of computer software or hardware through the TCU Computer Center or through any programs, terminals, or freestanding computers owned, leased, or operated by TCU or any of its academic units for the purpose of affecting the academic standing of a student.

**F. Fabrication and falsification.** Unauthorized alteration or invention of any information or citation in an academic exercise. Falsification involves altering information for use in any academic exercise. Fabrication involves inventing or counterfeiting information for use in any academic exercise.

**G. Multiple submission.** The submission by the same individual of substantial portions of the same academic work (including oral reports) for credit more than once in the same or another class without authorization.

**H. Complicity in academic misconduct.** Helping another to commit an act of academic misconduct.

**I. Bearing false witness.** Knowingly and falsely accusing another student of academic misconduct.

#### II. PROCEDURES FOR DEALING WITH ACADEMIC MISCONDUCT

##### A. Definitions

1. Day refers to a school day on which classes are meeting.
2. Academic dean refers to the dean of the college or school offering the course in which the academic misconduct is alleged to have taken place.
3. Department chair refers to the academic administrator responsible for the unit providing the instruction in which the alleged academic misconduct occurred.
4. Faculty refers to the instructor of the course in which the suspected academic misconduct occurred.
5. Advisor refers to any person selected by the student who accompanies the student during formal hearings. The advisor may speak with the student but may not actively participate in the hearings.
6. The Academic Appeals Committee is a standing University Committee. The charge and membership of the Committee may be found in the current Handbook for Faculty and University Staff.

## B. Investigation and initiation

1. Students who know of an act of academic misconduct should report the incident to the faculty member teaching the course. The faculty member will obtain the basic facts of the allegation and ask the student reporting the misconduct to write and sign a statement of facts. The name(s) of the student(s) reporting suspected academic misconduct will remain confidential during the informal faculty/student meeting, but must be revealed to the accused student if the resolution proceeds beyond the faculty member and the accused student.
2. Faculty who suspect academic misconduct or who have academic misconduct reported to them must initiate an investigation and meet with the accused student within five days of becoming aware of the incident. A faculty member who is made aware by another person of an act of academic misconduct has the responsibility to investigate the allegation, and, if warranted, pursue the issue as outlined below (C.1).
3. In instances where the suspected academic misconduct is discovered during an academic exercise, the faculty member has the right to suspend immediately the student involved in the alleged activity from further work on the academic exercise.
4. A student, once accused of academic misconduct, will proceed in the course without restriction until resolution of the issue or until the academic dean has taken an action as specified in III.B that removes the student from the course.
5. An "I" grade should be given by the instructor if the alleged misconduct occurs near the end of a semester, for example, during finals, and a sanction outlined in section III has not been applied by the instructor of the dean.
6. If more than one student is accused of the same act of misconduct (e.g. giving and receiving aid), each individual student is guaranteed the right to have the cases heard separately. With each student's permission, the cases can be combined. The faculty/student conference (C.1) is expected from this requirement.

## C. Resolution

1. Meeting Between Faculty Member and Student. This is the first step to be taken in resolving an incident of suspected academic misconduct.
  - a. Within five days of suspecting misconduct, the faculty member will hold a meeting with the student. At this meeting, the faculty member will inform the student of all allegations against him or her and present any information supporting the allegations.
  - b. The student will be given the opportunity to respond to the allegations. The student has the right not to respond.
  - c. The faculty member will decide whether or not academic misconduct has occurred, and, if warranted, apply any combination of sanctions in III.A below, or refer the matter to the Dean for more severe sanctions (probation, suspension, or expulsion). Findings of academic misconduct are based on the preponderance of the evidence.
  - d. The faculty member will notify the student in writing of his or her decision and may send copies to the academic dean, the dean of the college in which the student is enrolled, the department chair, and the Dean of Campus Life. Any such copies of the findings will be kept on file in the college and department offices and in the student discipline files maintained by the Dean of Campus Life.
2. Meeting with Department Chair. This meeting takes place when the student wishes to appeal either the findings of the faculty member or the severity of the sanction(s).
  - a. Within five days of being notified by the faculty member of the disposition of the incident of academic misconduct, the student may request a meeting with the department chair.
  - b. The department chair will become acquainted with the facts and meet with the parties involved in the case. The student has the right to meet with the department chair without the faculty member being present.
  - c. The department chair may either support or reverse the findings of the faculty member, and may lessen the sanction(s) imposed by the faculty member even while supporting its findings. The chair may not increase the severity of the sanction(s).
  - d. The department chair will notify the student and faculty member of his or her decision in writing and may send copies to the faculty member, the academic dean and the Dean of Campus Life. Any such copies of the findings will be kept on file in the college and department offices and in the student discipline files maintained by the Dean of Campus Life.
3. Meeting with Academic Dean. This meeting takes place if the student wishes to appeal either the findings of the department chair or the severity of the sanction(s), if the faculty member recommends sanctions in addition to those listed in III.A.3 and 4 or if the student has been found guilty of academic misconduct previously.
  - a. Within five days of being notified the chair of the disposition of the incident of academic misconduct, the student may request a meeting with the academic dean.
  - b. The academic dean will hear the facts of the case and make a decision about the alleged act of academic misconduct or the appropriateness of the sanctions administered by the faculty member. The academic dean can issue any combination of sanctions listed in III.
  - c. The academic dean will notify the student of his or her decision in writing with copies to the department chair and the faculty member. Copies of the findings will be kept on file in the college office and may be sent to the Dean of Campus Life.
4. Academic Appeals Committee. Should the student wish to appeal the decision of the academic dean, he or she

has the right to request a hearing before the Academic Appeals Committee.

- a. The student must request this hearing by submitting an appeal letter to the chair of the university Academic Appeals Committee no later than five days from the date of receiving written notification of the dean's findings.
- b. Upon receipt of the appeal letter, the Chair of the Academic Appeals Committee may request materials from the student, the faculty member, the department chair, and/or the dean.
- c. The appealing student has the right to appear before the Academic Appeals Committee. The student may bring one person with him or her as an advisor. The advisor may not speak for the student or to the committee. The advisor may only speak with the student. The student must inform the university 5 class days in advance if his or her advisor is an attorney in order for the university to also have an attorney present. Each party shall bear the expense of his/her legal counsel. Legal counsel is to provide counsel only and may not participate directly in the meeting. The meeting is an administrative hearing, not a court proceeding, and is not subject to the procedures or practices of a court of law.

### III. SANCTIONS

#### A. By the faculty member:

1. Grant no credit for the examination or assignment in question (treat as a missed assignment).
2. Assign a grade of "F" (or a zero) for the examination or assignment in question.
3. Recommend to the academic dean that the student be dropped immediately from the course with a grade of "F."
4. Recommend to the academic dean that the student be placed on probation, suspended or expelled from the University.

B. By the academic dean or academic appeals committee: (Previous academic misconduct will be taken into account when either the academic dean or the Academic Appeals Committee considers sanctions for academic misconduct.)

1. Apply sanctions in III.A.
2. Drop student from the course with a grade of "F". This grade cannot be changed by student-initiated withdrawal and the grade will be included in the computation of GPA even if the course is repeated.
3. Place the student on suspension from the University for a specified period of time.
4. Expel the student from the University.
5. In a case where the academic dean as defined above is not the dean of the college in which the student is enrolled, he or she shall recommend to the Vice Chancellor for Academic Affairs that the student be placed on probation, suspended or expelled.

### University Communication

TCU will make every attempt to communicate with all members of the academic community in a timely and effective manner. The University will utilize U.S. Mail, Campus Mail, telephone calls, and/or TCU provided email to communicate official university business. Information communicated by TCU provided email (tuc.edu account) is considered an official communication from the University. In the event of an emergency, the University will most likely communicate with you via your tcu.edu email. The TCU Home page (www.tcu.edu) also will be updated with pertinent information. Many offices will use your tcu.edu email exclusively to communicate important information, therefore, it is important as a member of the TCU community access your account regularly or forward your account to a different email account.

It is also imperative that you keep your address and telephone number current. This information is used to contact you in the event of an emergency or to conduct official university business. You may update your address/telephone information via FrogNet.

### Student Grievance Procedure

The University has established both informal and formal procedures which a student may follow when presenting grievances. A grievance is defined as any dispute or difference concerning the interpretation or enforcement of any provision of University regulations, policies or procedures or state or federal laws applicable on the campus. Administrators, faculty and students are encouraged in all instances to resolve grievances informally, and as promptly as possible. However, formal procedures may be followed when needed.

Detailed information about the University Judicial System is given in the Student Handbook, available at the beginning of each fall semester. Individuals who have additional questions about how to gain access to the system may contact the office of the Dean of Campus Life.

### Alcohol Use Policy

TCU has the responsibility of maintaining an educational environment conducive to academic achievement and at the same time helping young people grow into mature and responsible adults. Though each individual ultimately must decide whether or not to use alcoholic beverages, the University through its Board of Trustees has determined what practices will be permitted on campus.

Students should be aware that the legal drinking age in the State of Texas is 21 years. Texas Christian University will conform to the state law and also has further specific regulations to govern the use, sale and possession of alcoholic beverages on the property of the University.

Students who choose to drink, either on or off the campus, are expected to handle alcohol responsibly and conform to the laws of this state. Violation of state law, city ordinance or University regulations will be considered grounds for disciplinary action.

**Except for certain specified areas in University residence halls approved by the Vice Chancellor for Student Affairs, and for specific events authorized by the Chancellor or Provost in the Dee J. Kelly Alumni and Visitors Center or other buildings, the consumption, sale or use of alcoholic beverages is prohibited on the campus. The consumption of alcohol is permissible for persons of legal drinking age in parking lots immediately adjacent to Amon Carter Stadium from two hours before until two hours after TCU home football games. Alcohol is not permitted in the Stadium at any time.**

Residents of legal age (21 years) and over may possess and consume alcoholic beverages in their rooms or in the rooms of other students 21 years of age or older. The consumption of alcoholic beverages is prohibited in hallways, stairways, elevators, lobbies, lounges, recreation areas, restrooms, and all other areas of the residence hall. Students' rooms may not be used as an "open bar" but may be used for private gatherings with no more than six guests.

The purchase or sale of alcoholic beverages is prohibited everywhere on the campus. Furthermore, no person may provide any alcoholic beverages to any person less than 21 years of age. The University also prohibits the use or possession of alcoholic beverages in all instructional settings including those remote to the campus.

Information about specific penalties imposed for violation of alcohol use policies may be obtained from the Dean of Campus Life or the Office of Residential Services.

### **Drug Abuse Policy**

Students enrolled in TCU are subject to disciplinary action for the possession, manufacture, use, sale or distribution (by either sale or gift) of any quantity of any prescription drug or controlled substance or for being under the influence of any prescription drug or controlled substance, except for the use of an over-the-counter medication or for the prescribed use of medication in accordance with the instructions of a licensed physician. Controlled substances include, but are not limited to, marijuana, cocaine, cocaine derivatives, heroin, amphetamines, barbiturates, LSD, PCP, and substances typically known as "designer drugs" such as "ecstasy" or "eve." Possession of paraphernalia associated with the use, possession or manufacture of a prescription drug or controlled substance is also prohibited.

The minimum penalty for a first-time violation of the Drug Abuse Policy for use or possession of a prescription drug or controlled substance will be disciplinary probation for a full year, and a requirement for participation in a drug abuse education and/or treatment program a \$20.00 fine, forty hours community service, and random drug screenings. Any student who violates the Drug Abuse Policy for use or possession of a prescription drug or controlled substance for a second time will be suspended from the University for at least one year. Possession of drug paraphernalia will subject a student to the same penalties as those imposed for use and possession of a prescription drug or controlled substance.

The penalty for a violation of the Drug Abuse Policy for sale, distribution, or manufacture of a prescription drug or controlled substance will be permanent expulsion from the University. A student who voluntarily seeks help for drug or alcohol abuse is not subject to disciplinary action; in fact, University officials will do everything they can to assist the student in obtaining appropriate treatment. If the student continues to use drugs, then he/she does become subject to disciplinary action.

### **Legal Sanctions for Illegal Use of Alcohol and Other Drugs**

In accordance with federal regulations the following information is provided for all students. In addition to sanctions imposed by the University for violation of the Alcohol Use Policy and the Drug Abuse Policy, a student may be subject to regulations of civil authorities. Various local, state and federal regulations prohibit the illegal use, possession and distribution of illicit drugs and alcohol. Penalties for violation of such statutes vary depending on the type of drug, the amount of the drug involved, the type of violation, and in the case of alcohol, the age of the persons involved. Detailed descriptions of legal penalties are available in the Office of Alcohol and Drug Education, the Dean of Campus Life Office, and in the office of Residential Services.

The University reserves the right to refer students to court authorities for any behavior that is in violation of the law regardless of any sanctions imposed by the University.

### **Health Risks Associated with Substance Abuse**

Abuse of alcohol and drugs has been shown to cause serious health problems including:

**Alcohol.** Frequent or heavy use of alcoholic beverages can result in brain damage; cirrhosis of the liver; cancer of the liver; cancer of the mouth, throat and pancreas; stomach ulcers; heart damage; lowered sex hormone production; and lowered immunity to infections and disease.

Alcohol use by pregnant women can also cause birth defects, lowered birth weight and/or mental retardation in children.

The use of alcohol is involved in half of all traffic related deaths and permanent disabilities. Alcoholism can lead to family dysfunction and violence. Alcoholics are six or more times as likely to commit suicide as non-alcoholics.

**Drugs.** The use of illegal drugs, including but not limited to marijuana, cocaine, heroin, crack, amphetamines, psychedelics and so called "designer drugs" has been shown to result in physical and mental disorders.

Lung damage (including lung cancer), lowered immunity to disease, memory loss, depression, flashbacks, lowered production of sex hormones, birth defects, low birth weight infants and severe psychological disorders may result from the use of drugs. These drugs are highly addictive, both physically and psychologically. The body builds a tolerance to such drugs so that larger and more frequent doses are required to satisfy the need for the drug.



## University Judicial System

### Preamble

This Judicial system is intended to provide an orderly system for adjudication of disputes arising under the Bill of Rights and for the just resolution of grievances based on actions of University employees or groups recognized by the University. A grievance is defined as any dispute or difference concerning the interpretation or enforcement of any provision of University regulations, policy procedures or state or federal law.

### I. Boards of Original Jurisdiction

A. The University committees enumerated below shall serve as quasi-judicial boards of original jurisdiction.

1. The Student Organizations Committee shall hear cases involving student organizations officially recognized or approved by the Committee. It shall have the authority to delegate responsibility for judicial hearings to other student groups (such as the Panhellenic Council, the Interfraternity Council, etc.) but no dispute (case) handled by one of these groups can be appealed to the University Court until a ruling has been made by the Student Organizations Committee itself. Cases may be brought by University staff members, officers of student organizations under the jurisdiction of the Committee or by individual students who charge that their rights have been violated by such organizations.

2. The Student Publications Committee shall hear cases involving University sponsored student publications, e.g., *The Daily Skiff* and *Image*. Cases may be brought by University staff members, student editors or editors or writers and individual students who think their rights have been violated by the press. The Committee shall also hear cases involving controversy over such questions as compliance with the Canons of Responsible Journalism and FCC Regulations and the standards of taste in the University community.

3. The Public Presentations Committee shall hear cases regarding controversies in the areas of speakers, films, theatre, dance and art exhibitions to be presented by student organizations. Judgments concerning the appropriateness of a presentation (as defined in the Student Bill of Rights) will be made by this committee. Cases may be brought by University staff members, by student organizations that sponsor public presentations, or by individual students who charge their rights are violated by such presentations.

4. The Academic Appeals Committee shall hear cases brought to it by students who are appealing a specific grade or who have been accused of cheating on examinations, plagiarism, or other academic dishonesty. Controversies in this area may only be brought to the Committee after regular channels of department and college have been used.

5. The Traffic Appeals Committee shall hear cases involving disputes over the enforcement of University traffic regulations. Cases may be brought by students, faculty or administrators.

6. The Student Conduct Committee hears appeals from individual students who have been disciplined by the Office of the Dean of Campus Life. It also may have discipline cases referred directly to it by the Office of the Dean of Campus Life.

7. The Student Grievance Committee shall hear cases brought to it by students when such cases do not fall within the jurisdiction of the other quasi-judicial committees listed above. Individuals are expected to resolve grievances informally whenever possible, before appealing to this committee.

B. All quasi-judicial committees must have both student and faculty members.

### II. University Court

A. The Court shall have the authority to hear appeals from the quasi-judicial committees listed herein, only under conditions when: (1) the dispute involves an alleged violation of the Bill of Student Rights; and (2) the board of original jurisdiction made procedural errors. If new evidence has become available since the original hearing, the case shall be referred back to the board of original jurisdiction. The Court itself will, by majority vote, determine which cases it will hear.

B. Under conditions when a case will be heard by the University Court, the Court shall have injunctive power to stay, for a maximum of 10 school days or until a University Court hearing can be held, whichever comes sooner, implementation of policies and decisions of University committees, administrative officers, faculty members and student organizations which may violate the Student Bill of Rights.

C. In cases of dispute over jurisdiction, the Court will determine which quasi-judicial committee will have authority over a particular case.

D. The Court shall be composed of four faculty members appointed by the Faculty Senate, four students appointed by the president of the House of Student Representatives with the approval of the House and three administrators appointed by the Chancellor.

E. Members shall be appointed in April for terms beginning in June and ending in May. Temporary appointments may be made by the respective bodies for summer if regular appointees are not able to serve.

F. The Court shall be free to select its own chairperson.

G. The University Court shall annually review and report to the ratifying bodies upon the quasi-judicial procedures and functions of the University Committees.

H. Records of University Court proceedings shall be kept on file for at least five years as a guide for precedent; however, the confidentiality of participants must be protected by the administrator to whom the records are entrusted.

### III. The Chancellor

A. Because the ultimate institutional responsibility has been delegated to the Chancellor by the Board of Trustees, he/she retains the right to reverse any decision of the University Judicial System. The Chancellor may delegate this authority to an appropriate vice chancellor.

#### **IV. Judicial Procedures**

A. Each quasi-judicial committee and the University Court shall determine its own hearing procedures, provided these procedures meet accepted "fair play" standards.

B. Each quasi-judicial committee and the University Court must observe rules of procedure which include the following "fair play" rights:

1. The right to be informed in writing of the charges and the possible punishment.
2. The right to have at least three school days in which to prepare a defense to refute the charges.
3. The right to a hearing which should elicit information from both sides. If possible, the accused shall be able to face his accuser(s) and have the right to be advised by legal or other counsel.
4. The right to be furnished a list of names of accusers and witnesses and a statement of facts they testified to, if the accused does not face his accusers. However, because of the close proximity in which students live and interact on campus, it is sometimes necessary to protect the anonymity of a witness or accuser. In such cases the Dean of Campus Life may verify the identity of a witness and accept a written statement from him/her without revealing the name of the witness or accuser to the accused.
5. The right to present oral or written testimony.
6. The right to remain silent about any incident in which he/she is a suspect. No form of harassment shall be used by an institutional representative to coerce admissions of guilt.
7. The right to be advised in writing of the results of the hearing.
8. The right to receive a transcript or tape recording of the proceedings, at the individual's own expense, provided this is requested 24 hours before the hearing.

#### **V. Student Affairs**

##### **A. Campus Expression**

1. Students shall be free to examine and discuss all questions of interest to them and to express opinions publicly and privately.
2. Students have the right to assemble freely and peaceably.
3. Students shall be free to support or protest causes by orderly means.
4. Students have the right to be interviewed on campus for any position for which they meet the qualifications specified by any prospective employer permitted to recruit on campus by the University.
5. Student organizations officially recognized by the University shall be allowed to invite and hear speakers of their choosing. Speaker presentations shall be conducted in a manner consistent with an academic community and consistent with the philosophy and objectives of Texas Christian University. Student organizations have the right to present "entertainment" productions. (As used in this document, entertainment refers to films, theatre, dance, music and art exhibitions.) All productions shall be conducted in a manner consistent with an academic community and consistent with the philosophy and objectives of Texas Christian University.

##### **B. Campus Organizations**

1. Organizations consistent with the philosophies and objectives of TCU shall be recognized by the University Committee on Student Organizations for any lawful purpose upon submission of a constitution and a list of current officers.
2. Membership lists are confidential and solely for the use of the organization except that they may be solicited for internal use by the University Committee on Student Organizations.
3. Campus organizations, including those affiliated with an extramural organization, shall be open to qualified students without respect to race, creed or national origin. Religious qualifications may be required by organizations whose aims are primarily sectarian.
4. Campus organizations shall have use of appropriate University facilities for their group activities, subject to such regulations as are required for scheduling meeting times, places and payment of any required fees.
5. No individual, group or organization may use the University name without the expressed authorization of the University except to identify University affiliation. University approval or disapproval of any organization's policy may not be stated or implied by that organization.

##### **C. Student Communication Media**

1. The student communication media shall be free of censorship. The editor and managers shall be free to develop their own editorial policies and methods of news coverage within the framework of the philosophies and objectives of the University. (The term "censorship" in reference to student communications media means any attempt to threaten or coerce any editor, manager, or staff member of a student-run publication or broadcast station in order to prevent the dissemination of any factual account or the expression of any opinion, or generally, to hinder the free

flow of ideas.)

2. The editorial freedom entails a responsibility to observe the Canons of Responsible Journalism and applicable regulations of the Federal Communications Commission, to avoid the publication of libelous and other unlawful statements and to show regard for the standards of taste of the University.

#### D. Student Governance

1. The role and responsibilities of recognized governing bodies composed primarily of students shall be delineated in the constitutions and by-laws of the respective organizations. Actions of student government within the areas of its jurisdiction shall be reviewed only through orderly and prescribed procedures.

2. In the formulation of University policy, students are entitled to a participatory function.

#### E. Student Rooms and Property

1. Students have the right to be free from unreasonable search and seizure by University personnel and during the process of search and/or seizure the safety of personal effects will be protected.

2. A student's room shall not be occupied during the term of a housing contract by anyone other than the student without written consent from the student.

3. The student, by moving into a University residence hall, acknowledges his responsibility to abide by the terms of the housing contract.

### VI. Disciplinary Sanctions

A. University disciplinary sanctions shall be imposed upon a student only in accordance with the provisions of a written officially adopted and published Code of Student Conduct.

B. When charged with a violation of the Code of Student Conduct, students shall have procedural "Fair Play" rights.

C. Students formally charged with violating University regulations shall be informed of their "fair play" rights in writing.

D. Students shall have the right to appeal any disciplinary sanction within the provisions of the University judicial system.

E. Students are responsible for answering honestly any questions posed to them in disciplinary hearings unless the individual claims the right to remain silent on the basis of possible self-incrimination.

### VII. Equal Opportunity

Texas Christian University does not discriminate on the basis of personal status, individual characteristics of group affiliation, including but not limited to classes protected under federal and state law.

### VIII. Unremunerated Rights and Responsibilities

The preceding enumeration of rights and responsibilities shall not be construed to be all-inclusive for students in their capacity as members of the student body or as citizens of the community at large.

### IX. Judicial System

Any controversies which may arise in connection with rights and responsibilities of students outlined in this document shall be adjudicated according to the University Judicial System.

### X. Amendments

Amendment to the Bill of Rights and Responsibilities may be proposed only by the House of Student Representatives, the Faculty Senate or the TCU Chancellor. When proposed, amendments shall be referred to a special committee by a majority vote of the House of Student Representatives or the Faculty Senate, or at the request of the Chancellor. The Committee shall consist of three members appointed by the President of the House of Student Representatives, three members appointed by the Chairman of the Faculty Senate and three members appointed by the Chancellor. When the Committee recommends an amendment to the Bill of Student Rights and Responsibilities, it will require an affirmative vote of a majority of the Texas Christian University students voting in a campus-wide election and a majority of the faculty voting in a faculty election, upon recommendations by a majority of the House of Student Representatives and the Faculty Senate, and by approval of the Chancellor.

### XI. Ratification

Ratification of this statement shall be by affirmative vote of a majority of the Texas Christian University students voting in a campus-wide election and a majority of the faculty voting in a faculty election, upon recommendation by a majority of the Student House of Representatives and the Faculty Senate, and by approval of the Chancellor.

### Bill of Student Rights and Responsibilities

(Officially approved Spring 1977)

The purpose of this document is to enumerate the essential provisions of the student's rights and freedoms, together with the corresponding responsibilities which the student assumes while enrolled at Texas Christian University. It is understood by all persons concerned that the rights and responsibilities enumerated herein are to be exercised within the framework of the philosophies and objectives of TCU. If need for clarification arises, the University Judicial System shall be used to interpret the philosophies and objectives of the University.

**Section I. Freedom of Access to Higher Education**

- A. The University shall be open to all applicants regardless of race, religion, sex, age or national origin who are qualified according to its admission requirements.
- B. The appropriate facilities and services of the University shall be available to its enrolled students.
- C. Each student has the responsibility to meet all of his/her financial obligations to the University.
- D. Each student has the responsibility to observe the regulations of the University.

**Section II. Classroom Expression**

- A. Any student who is in good standing with the University has the right to register for and attend any class (course) for which he has met the prerequisites as stated in the official University catalog and which is open to further enrollment.
- B. Freedom of discussion and expression of views relevant to a course shall be protected.
- C. Students are responsible for meeting the stated requirements of any class for which they are enrolled.
- D. Students have the right to academic evaluations which are neither prejudiced nor capricious and which are based on stated class requirements.

**Section III. Student Records**

- A. The confidential status of student records including information about student views, beliefs and political association shall be protected. The term "confidential" means the ethical, moral, and legal responsibility not to divulge information of a personal nature that has been obtained in the course of a professional relationship except:
  - 1. When necessary to prevent an individual's serious injury to himself and/or to another person;
  - 2. For use by members of the faculty and administration when necessary to carry on the internal operations of the University;
  - 3. When a parent or guardian has legal access to such records;
  - 4. When ordered by a court of competent jurisdiction to release such information.
- B. No entry may be made on a student's official transcript without notification to the student.
- C. Access to the University record is guaranteed to each student, subject only to applicable state and federal laws and reasonable University regulations as to time, place, and supervision.
- D. Entries relating to student's race and religion may be solicited but shall not become part of the student's official transcript.
- E. Within a maximum of five years from the date of an individual's termination from the University, a routine destruction of his/her disciplinary records shall be accomplished.
- F. The student has the responsibility to give full, accurate and complete information for all official records required by the University.

## Special Academic Programs

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[International Studies: TCU Abroad](#)

[TCU Abroad Programs](#)

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### **International Studies: TCU Abroad**

The mission of The Center for International Studies: TCU Abroad supports international academic programs that foster an understanding of the global community. International education opportunities include summer and semester-long education abroad programs, educational exchanges, (conferences, and short-term seminars for international visitors.) For more information, visit [www.ied.tcu.edu](http://www.ied.tcu.edu).

### **TCU Abroad Programs**

TCU offers a wide range of academic programs abroad including summer courses led by TCU faculty members. TCU summer courses have featured study in Australia, Belize, Costa Rica, England, France, Germany, Hungary, Italy, Japan, Mexico, Scotland, and Spain. These intensive courses are developed and directed by TCU Faculty members from such disciplines as art history, business, communications, education, geology, history, interior design, literature, modern languages, nursing, social work, and political science. Carrying TCU credit and the possibility of financial aid, these courses fulfill many of TCU's graduation requirements, while providing opportunity to work closely with some of TCU's best faculty members. For more information, visit [www.ied.tcu.edu/summer.html](http://www.ied.tcu.edu/summer.html)

The [TCU London Center](#) provides a unique opportunity for students to study in one of the world's major international capitals. The semester-long academic program offered at the Centre uses London and Great Britain as its texts. Course offerings include disciplines such as history, political science, literature, communications, theater and art history with most students enrolling in four classes during the fall or spring semester.

Students also have the option of enrolling in TCU's London internship program for academic credit. Because the London Centre is an extension of the Fort Worth campus, TCU financial aid and scholarships may be applied to study in London and all courses earn TCU credits. For more information, visit [www.ied.tcu.edu/london.html](http://www.ied.tcu.edu/london.html)

The [TCU Seville Program](#), in cooperation with the Universidad Pablo de Olavide, offers Spanish language classes. Additionally, students may take courses in literature, art, political science, economics, business and history in Spanish. TCU scholarships and financial aid may be applied. For more information, visit [www.ied.tcu.edu/seville.html](http://www.ied.tcu.edu/seville.html)

The [TCU Florence program](#) focuses on language study, and students are required to take intensive Italian for a total of 6 credit hours. In addition, course offerings from disciplines such as history, political science, and art history are offered each semester in English. TCU scholarships and financial aid may be applied. For more information, visit [www.ied.tcu.edu/florence.html](http://www.ied.tcu.edu/florence.html)

Other special study abroad opportunities include exchange programs with the University of the Americas in Puebla, Mexico; Kansai Gaidai University in Osaka, Japan; Ecole Superieure de Commerce de Dijon, France; Aoyama Gakuin University in Tokyo, Japan; and Pontificia Universidad Catolica del Peru. These semester-long programs involve direct enrollment in the affiliated university but do not interrupt TCU residency requirements. TCU financial aid and scholarships may be applied to work under these exchange programs and all courses carry TCU credit. For more information, visit [www.ied.tcu.edu/exchanges.html](http://www.ied.tcu.edu/exchanges.html)

Through TCU's affiliation with prominent consortia such as the Institute for the International Education of Students (IES) and the Council for International Educational Exchange (CIEE), students may study in many Asian, European, and Latin American countries for a summer, semester, or full year. TCU scholarships and financial aid may be applied to semester and year programs. For more information, visit [www.ied.tcu.edu/affiliates.html](http://www.ied.tcu.edu/affiliates.html)

### **Intensive English**

The aim of the Intensive English Program (IEP) is to help students advance rapidly towards their academic, professional, or personal English language goals. Upper-level IEP students may enroll in TCU courses for degree credit while in the noncredit, certificate program. The University refunds IEP tuition 100% (for up to two semesters of IEP) to the student who completes the entire undergraduate degree program at TCU. (Undergraduate candidates should see the admissions section on "Admission of International Students" in this bulletin. Successful completion of the Upper-level IEP allows applicants to the Undergraduate Program to waive the TOEFL admission requirement.)

IEP students use the most advanced technology available for learning English. The IEP's networked computer lab streams audio and video with text to the lab stations; in addition, students access the World Wide Web and self-directed, self-pacing language-learning software.

An IEP student begins at his or her own level and studies intensively, 20 to 25 hours each week. Classes are organized into teams of fifteen or fewer students. Conversation Partners are available for out-of-class language practice.

The IEP sessions begin eleven months a year (except December). More information on the Intensive English Program is available at [www.iep.tcu.edu](http://www.iep.tcu.edu).

### **First Year Seminars**

Texas Christian University is an educational community where faculty members promote active learning and encourage personal growth and individual achievement. One means of moving toward achievement of these goals

is embodied in the First Year Seminars offered to first-year students during the fall semester of each academic year.

A common goal of each seminar is to help students develop the intellectual skills and self-confidence necessary for success in a university setting. Guided by scholars, who are often senior faculty members, students learn to approach learning experiences with creativity, self-expression, and independent thinking. Activities in seminars often include discussion of ideas, research on special projects, and fieldwork that can lead to increased communication and critical-thinking skills for students.

First Year Seminars, offered in a variety of disciplines, are listed in the Schedule of Classes prepared each semester by the Registrar. Course descriptions appear in a special publication that is distributed during summer orientation sessions for first-year students. Students may enroll in only one seminar.

The seminars are structured to provide an intensive, personalized learning experience that will enhance the first-year student's sense of belonging to the academic community. Limited enrollment in First Year Seminars allows for personal contact between students and faculty. Furthermore, the interactive format allows students to get acquainted more easily, leading not only to academic orientation, but also to social integration within the university.

### **Washington Internships**

TCU is an affiliate of the The Washington Center, a nonprofit independent educational institution that provides comprehensive learning opportunities in the nation's capital for students from over 300 colleges and universities. The program includes placement, supervision, evaluation, seminars, housing, counseling, special events and other support services.

The TCU Washington Internship program is open to juniors and seniors in any major field. Minimum requirements include a 3.0 GPA, the selection process is competitive, and students must return to campus for at least one semester. The call for applications goes out one year preceding the fall internship. Applications may be picked up in the Political Science office. All students accepted must take POSC 40900, Washington Internship Seminar, during the spring semester before the internship the following fall. Participation in this non-credit course is required for future Washington Interns.

Students who participate in the fall program in Washington receive fifteen hours of upper division credit in political science. Students should consult with their academic adviser to determine how these credits may satisfy departmental or university requirements. For example, up to nine of these fifteen hours may be applied to a political science major or minor. For further information about the program, contact the Political Science Department at TCU.